

Figure 1

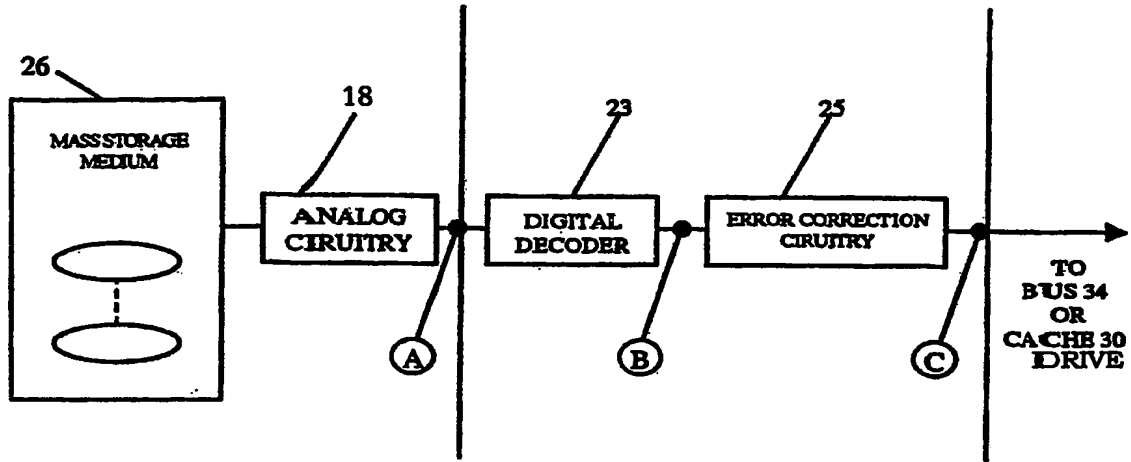


Figure 2

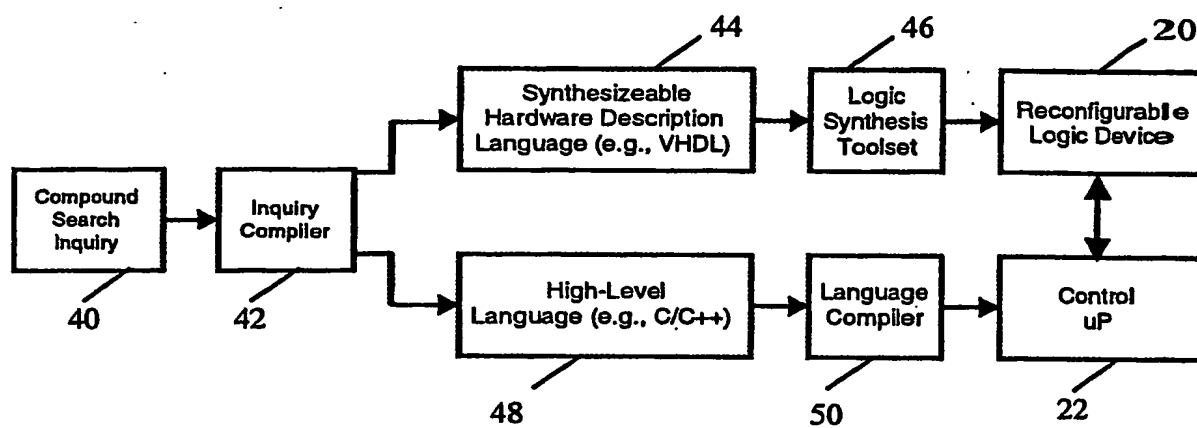


Figure 3

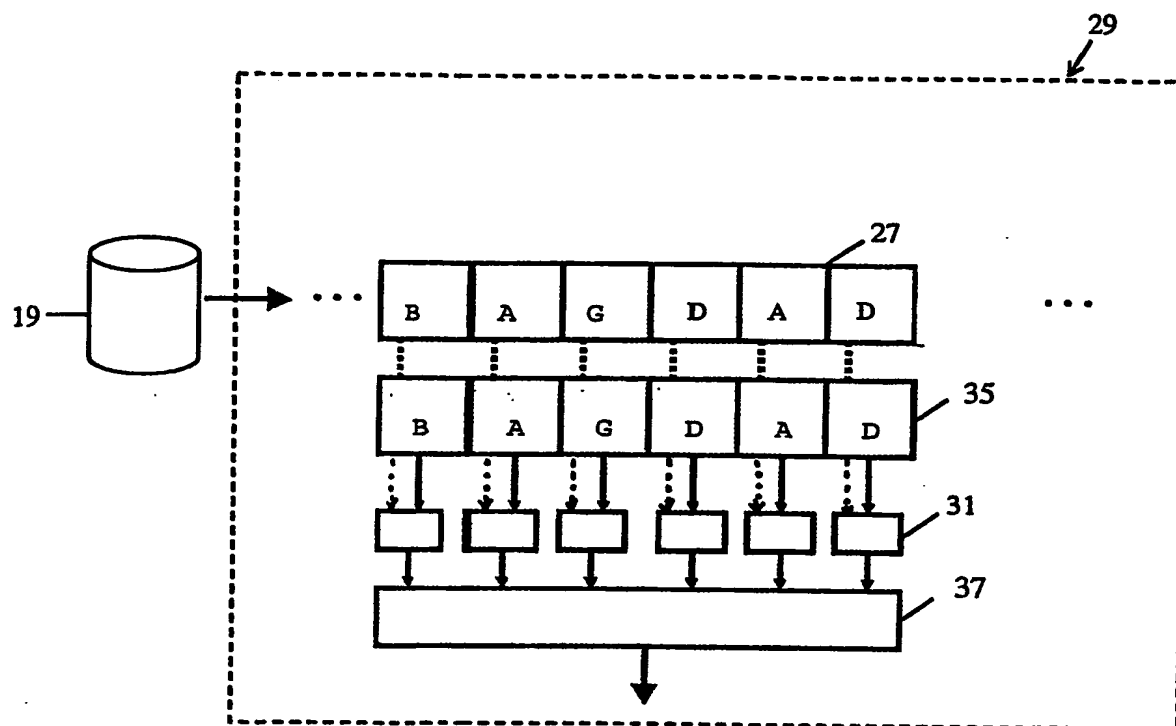


Figure 4

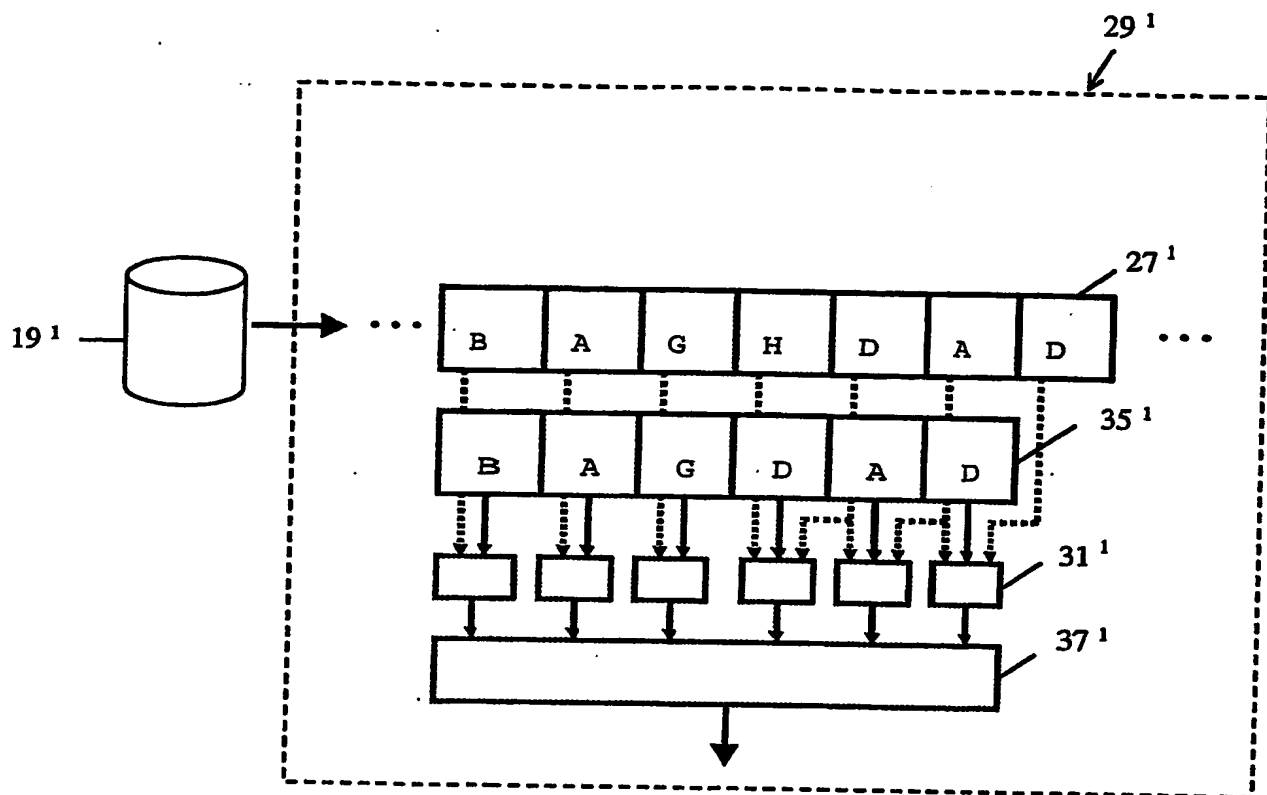


Figure 5

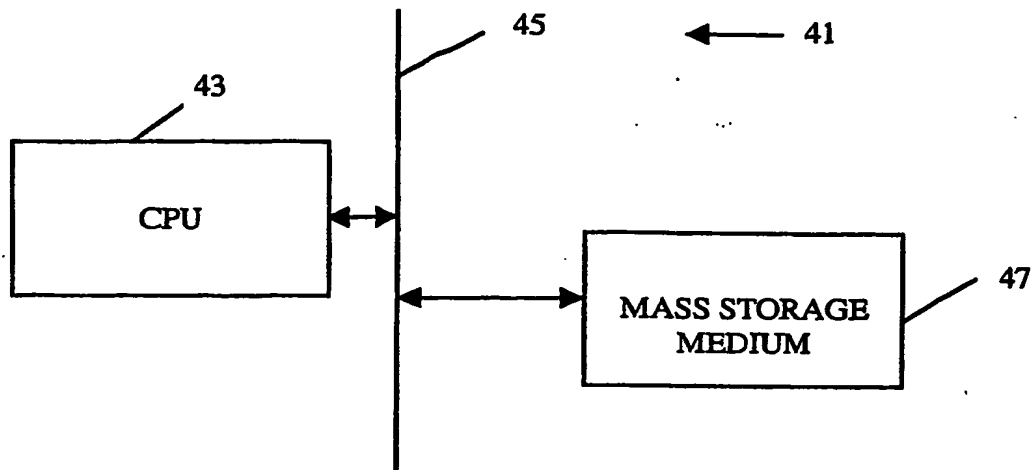


Figure 6

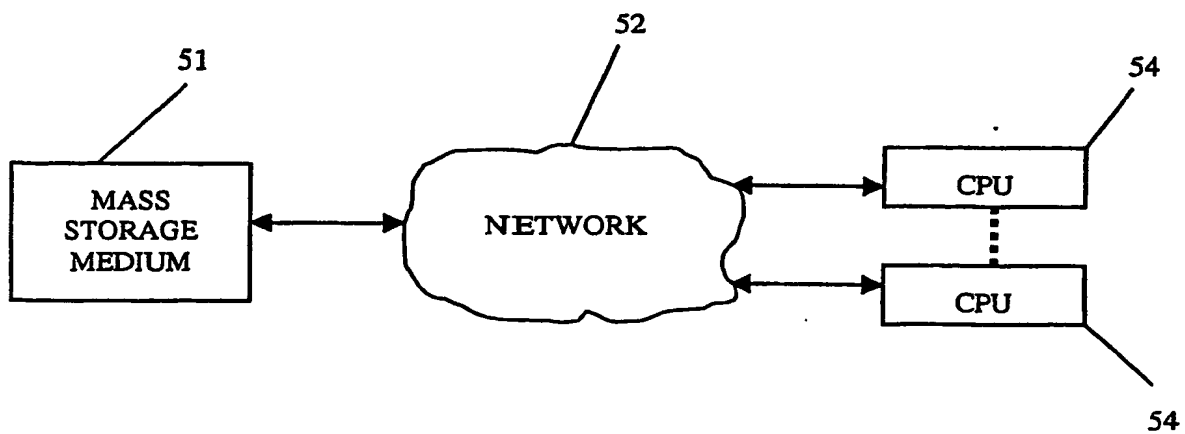


Figure 7

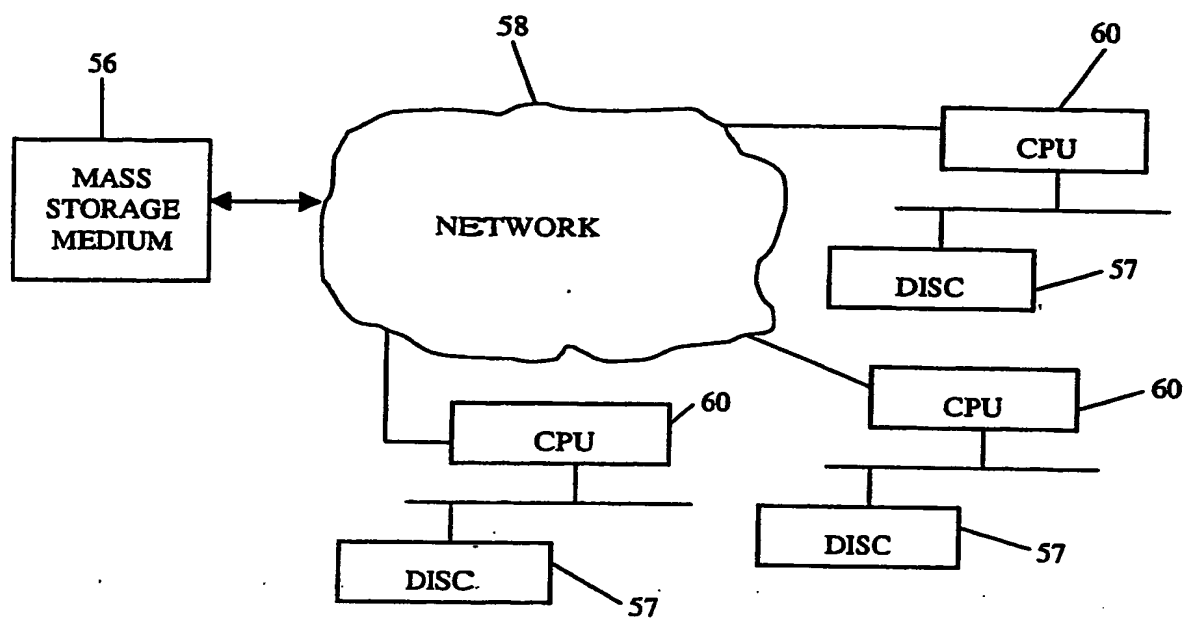


Figure 8

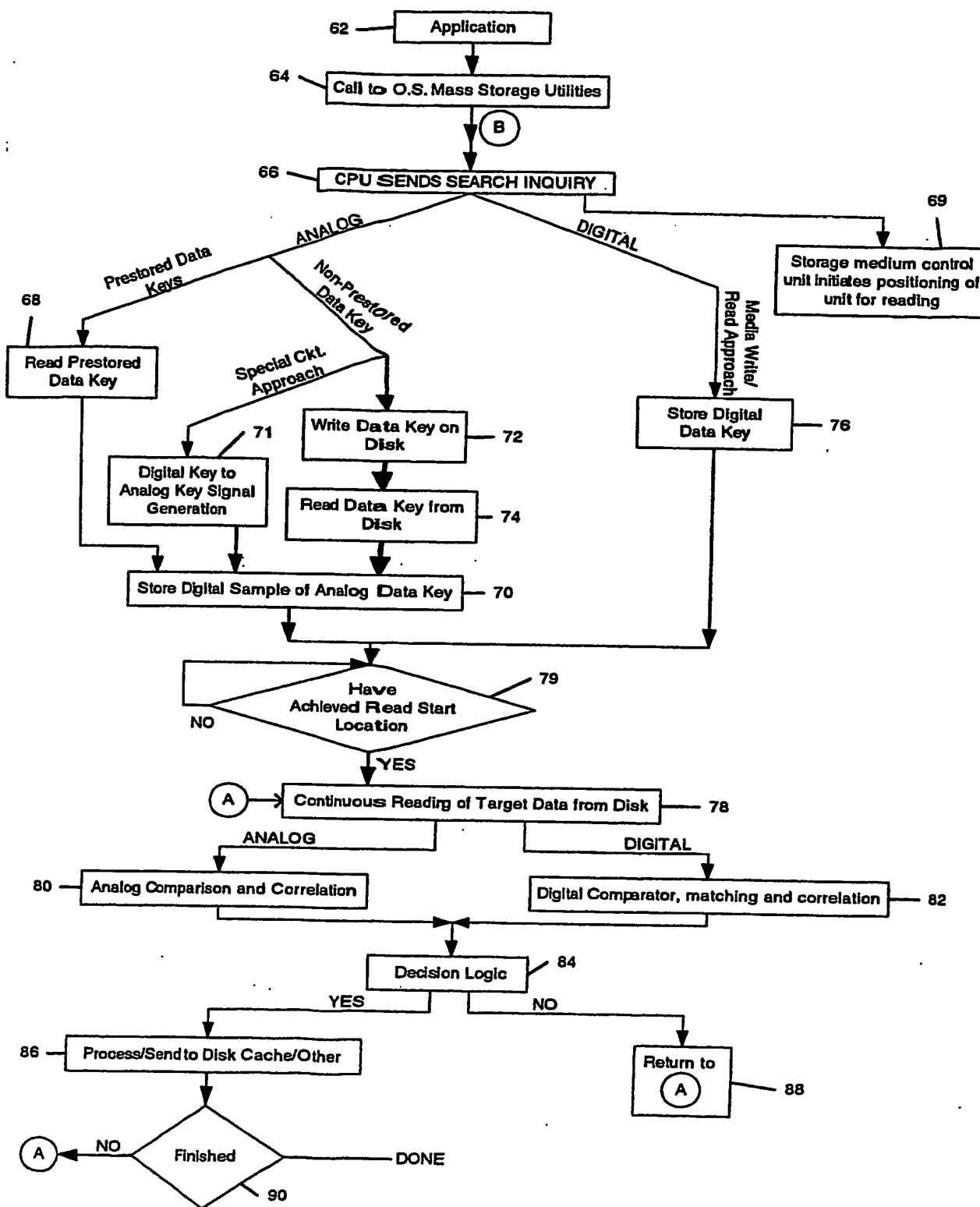


Figure 9

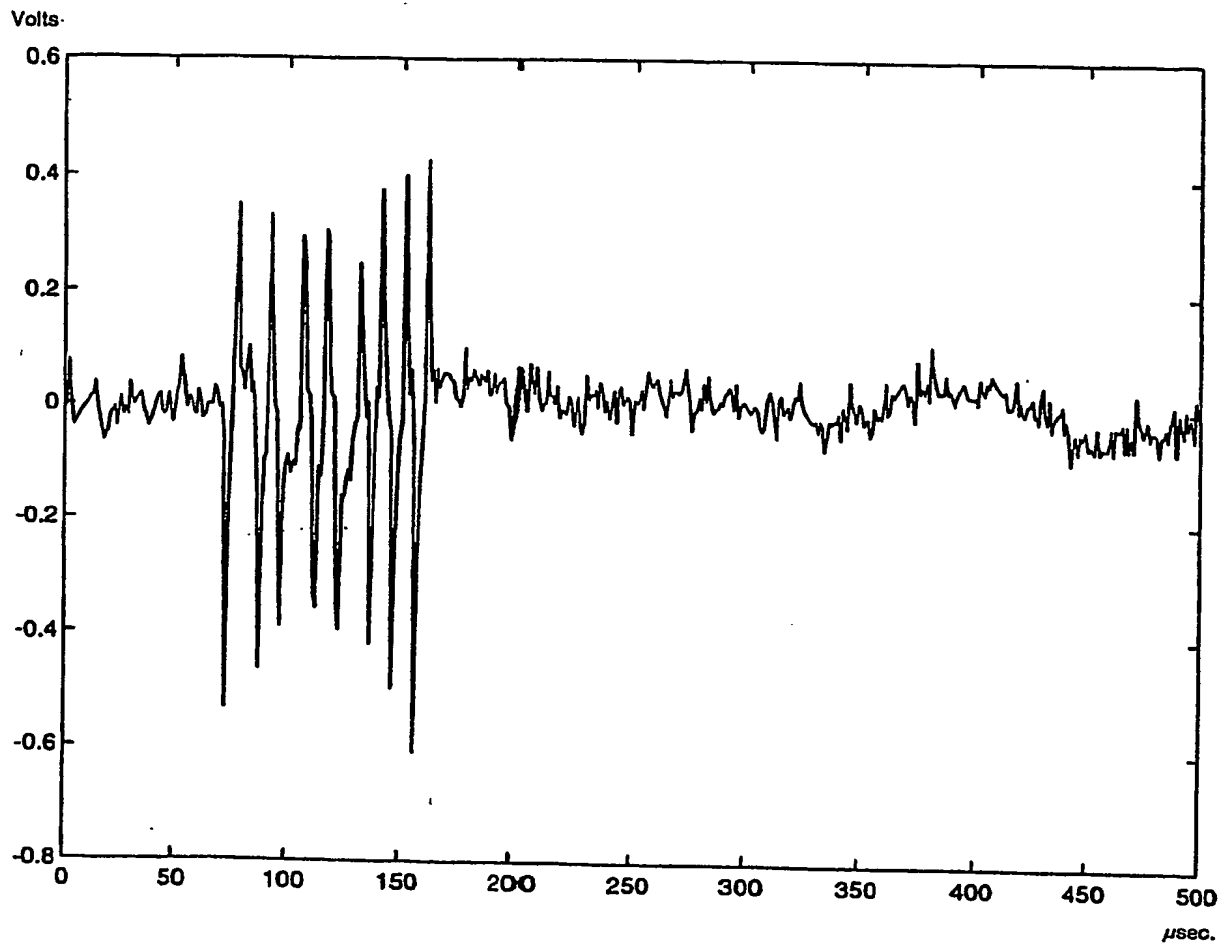


Figure 10

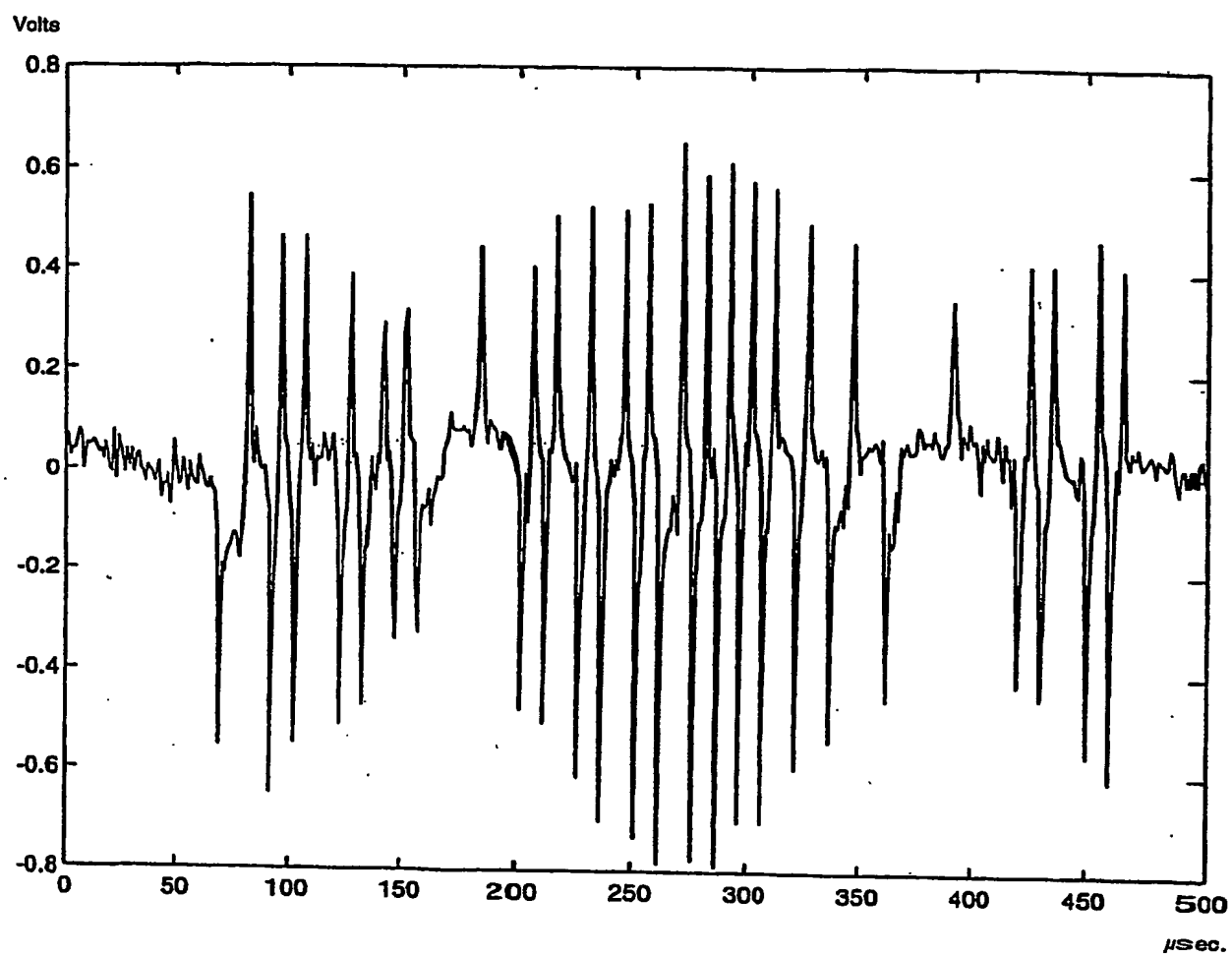


Figure 11

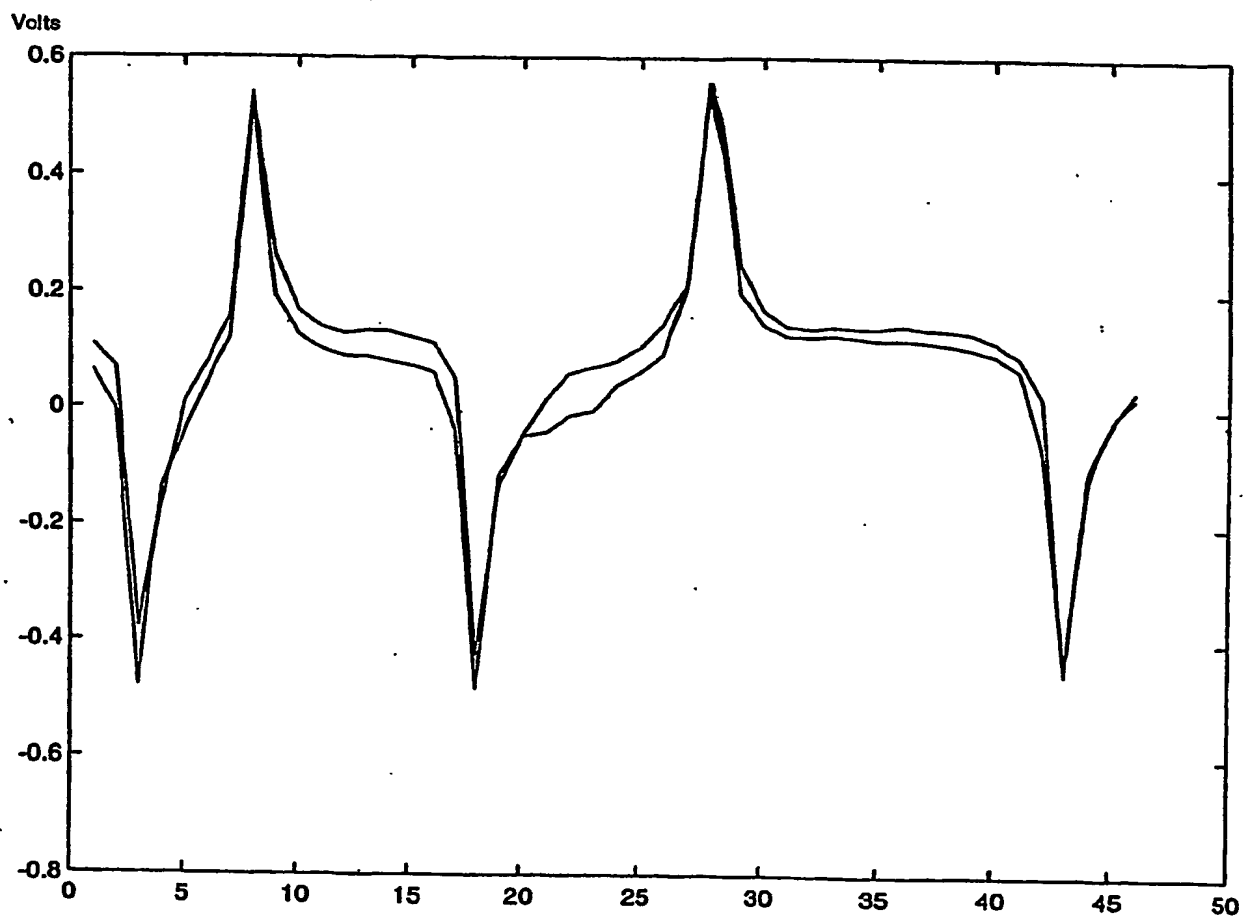


Figure 12

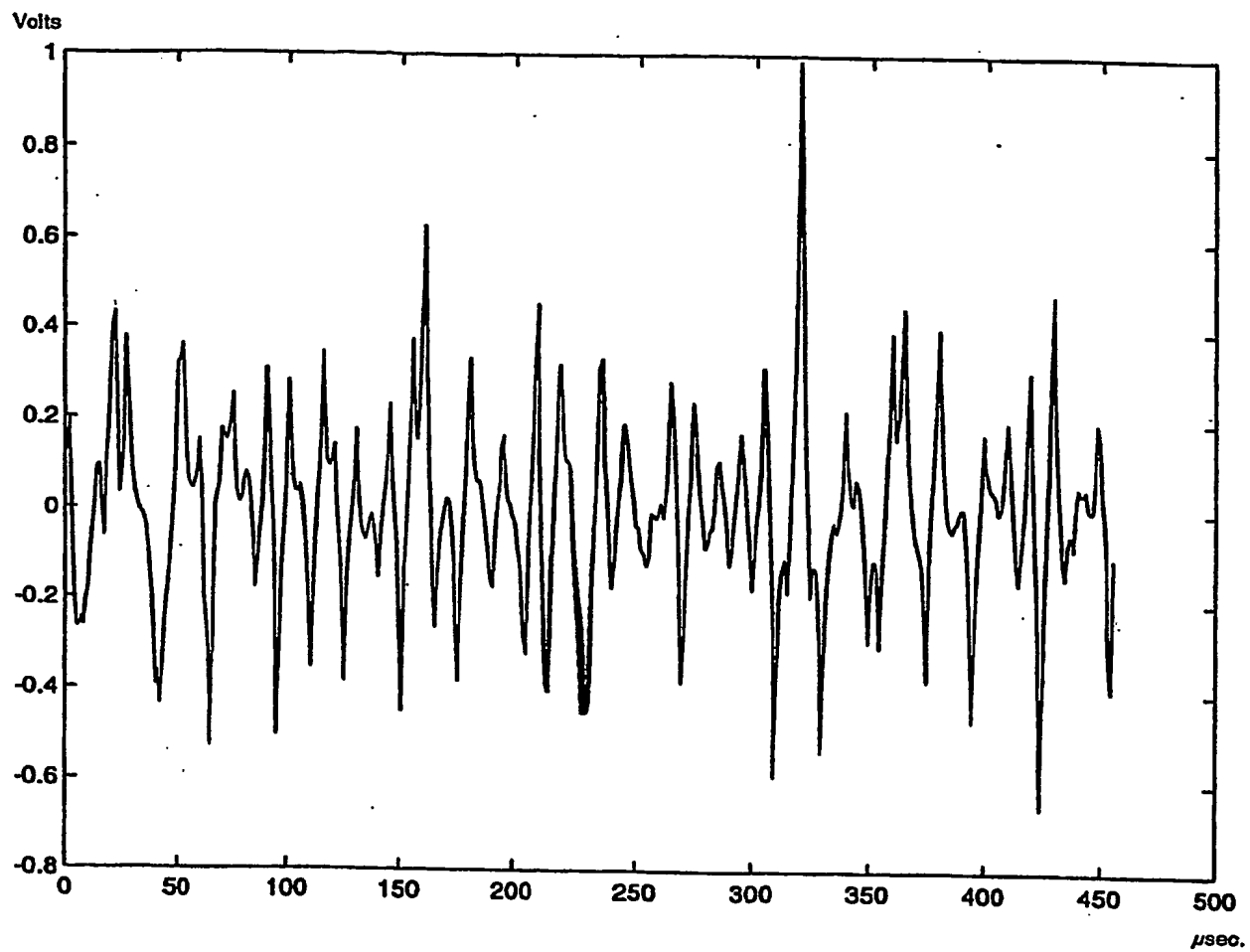


Figure 13

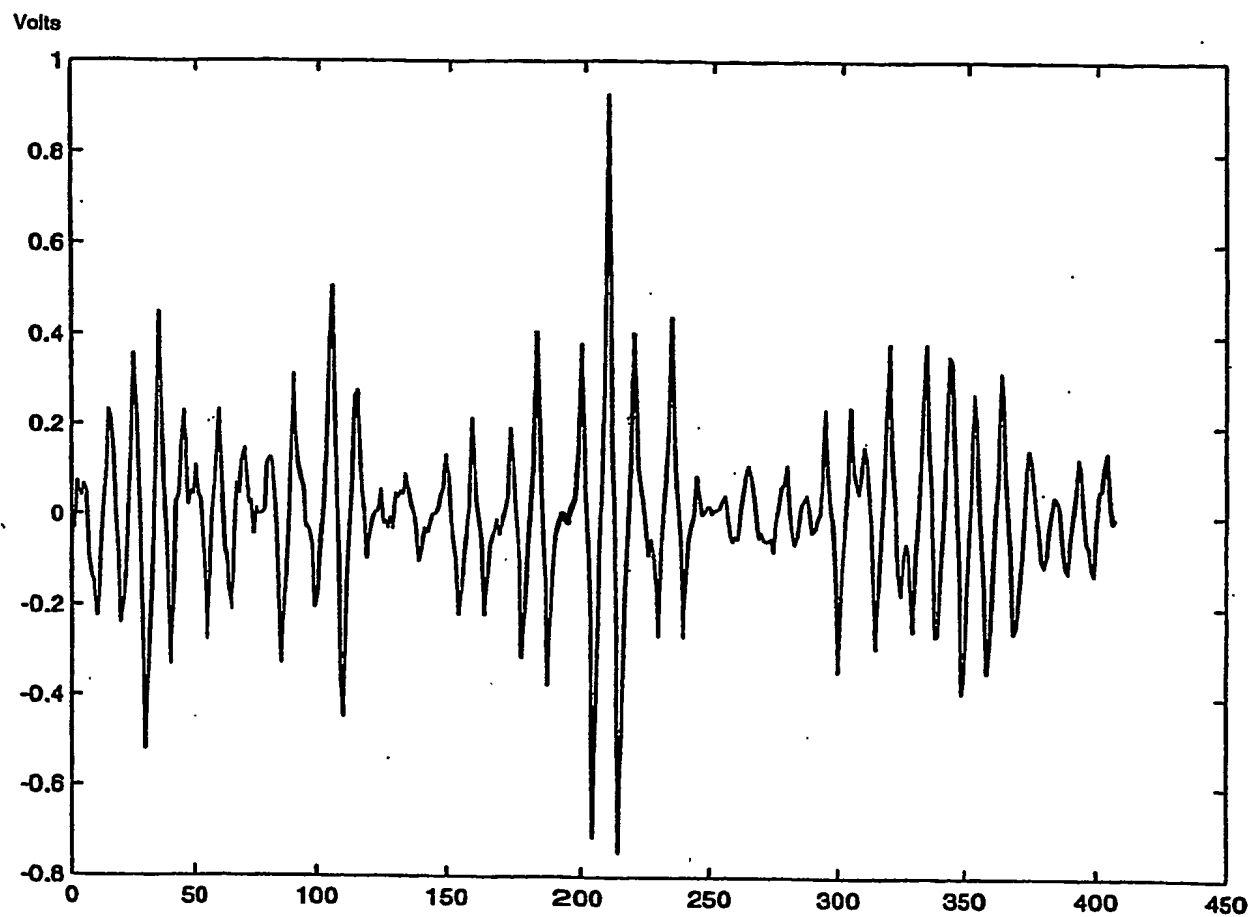


Figure 14

The diagram shows a 4x9 matrix of data points. The columns are labeled t1 through t9 at the top. The rows are labeled p1 through p4 on the left. A horizontal arrow points from the top of the matrix to the right. A diagonal arrow points from the top right of the matrix towards the bottom left. A vertical arrow points from the cell d2,5 down to the cell d3,5. A horizontal arrow points from the cell d3,5 to the cell d3,6.

	t1	t2	t3	t4	t5	t6	t7	t8	t9
p1	d1,1	d1,2	d1,3	d1,4	d1,5	d1,6	d1,7	d1,8	d1,9
p2	d2,1	d2,2	d2,3	d2,4	d2,5	d2,6	d2,7	d2,8	d2,9
p3	d3,1	d3,2	d3,3	d3,4	d3,5	d3,6	d3,7	d3,8	d3,9
p4	d4,1	d4,2	d4,3	d4,4	d4,5	d4,6	d4,7	d4,8	d4,9

Figure 15

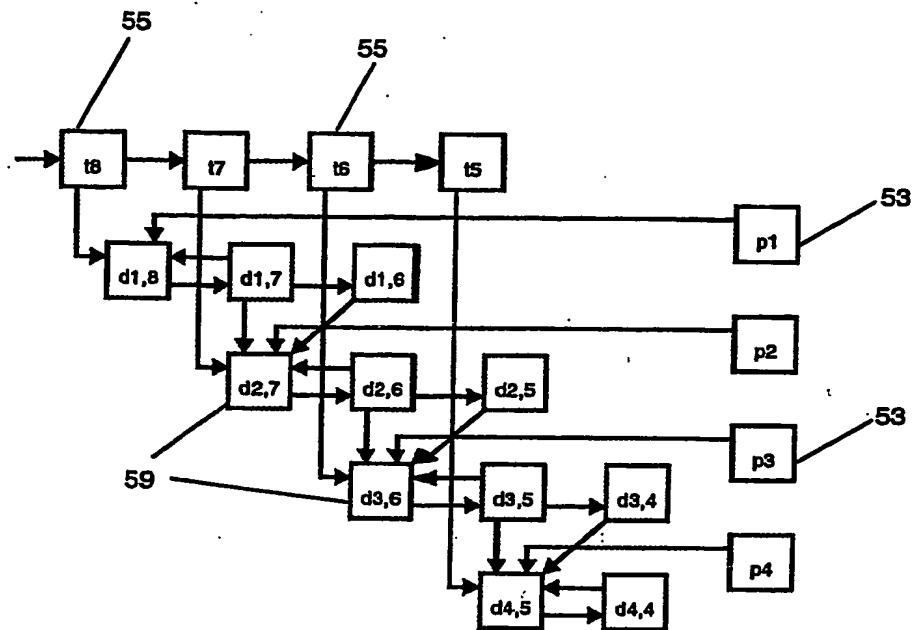


Figure 16

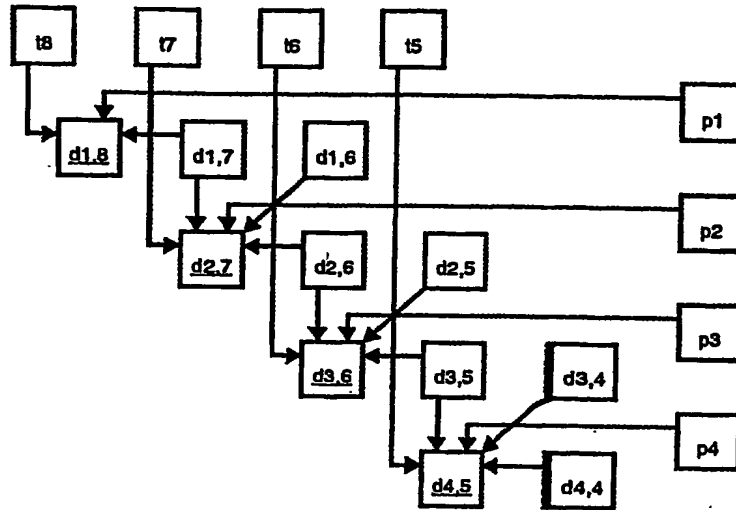


Figure 17

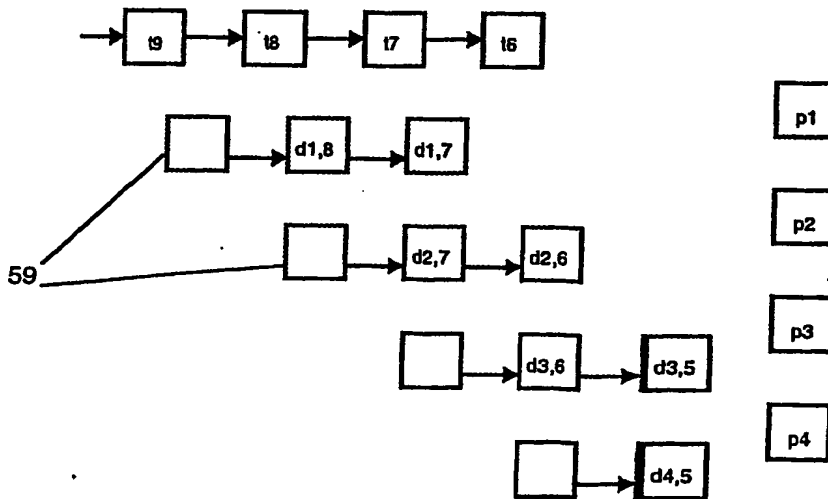


Figure 18

	p	q	r	a	x	a	b	c	s	t	v	q	...
a	-1	-1	-1	2	1	2	1	0	-1	-1	-1	-1	
x	-1	-2	-2	1	4	3	2	1	0	-1	-2	-2	
b	-1	-2	-3	0	3	2	5	4	3	2	1	0	
a	-1	-2	-3	-1	2	1	4	3	2	1	0	-1	
c	-1	-2	-3	-2	1	0	3	6	5	4	3	2	
s	-1	-2	-3	-3	0	-1	2	5	<u>8</u>	7	6	5	

Figure 19

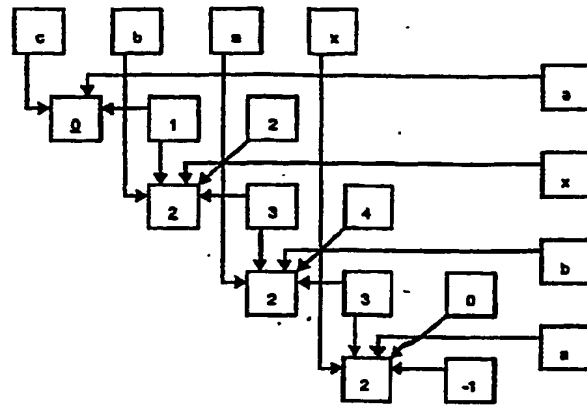


Figure 20

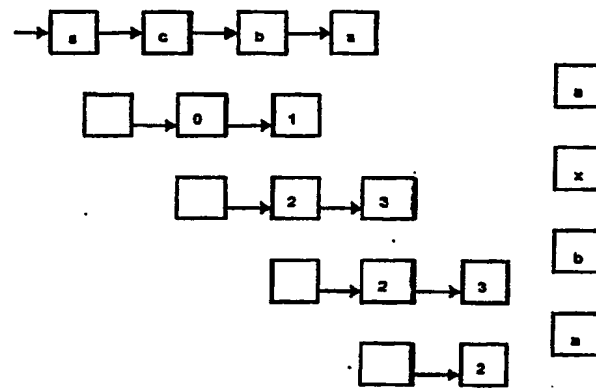


Figure 21

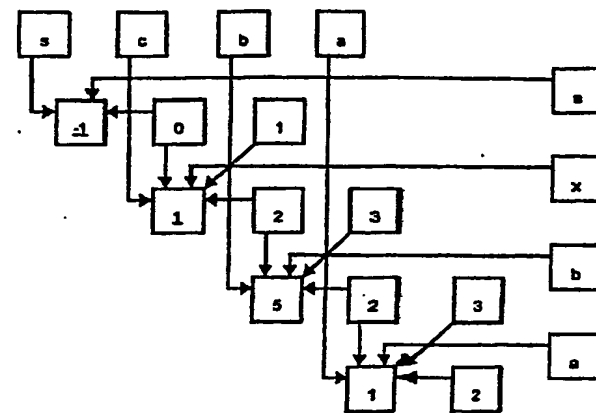


Figure 22

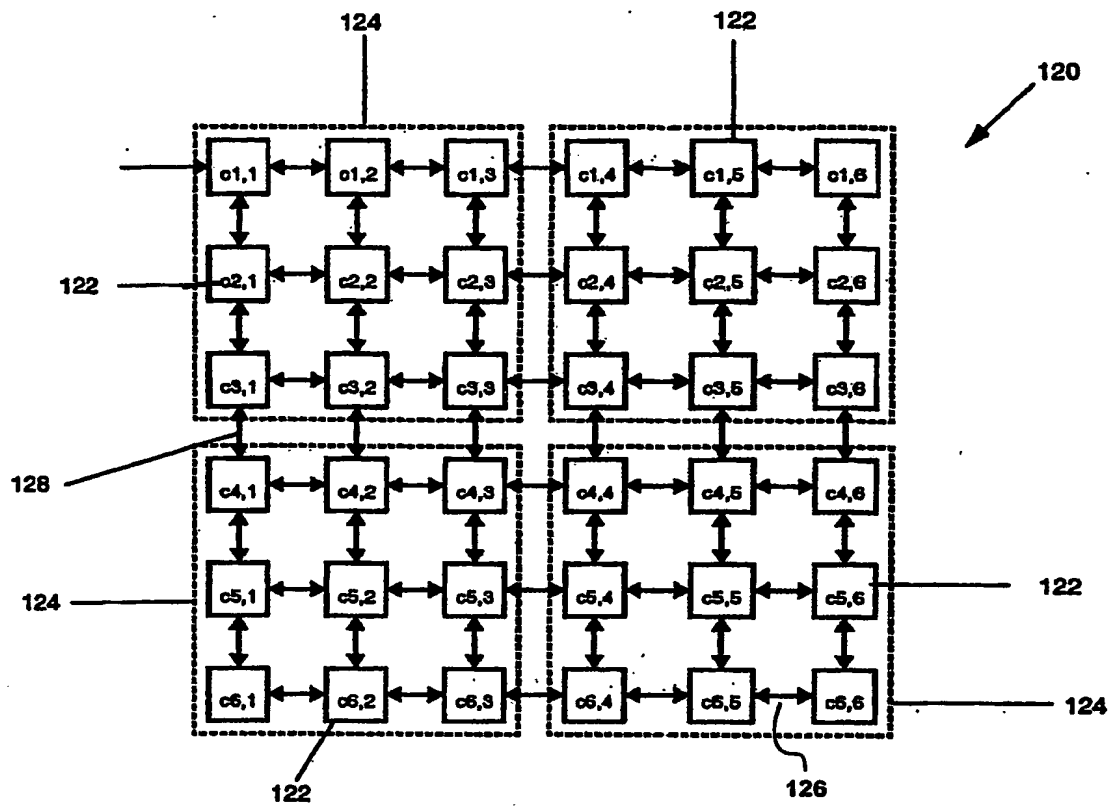


Figure 23

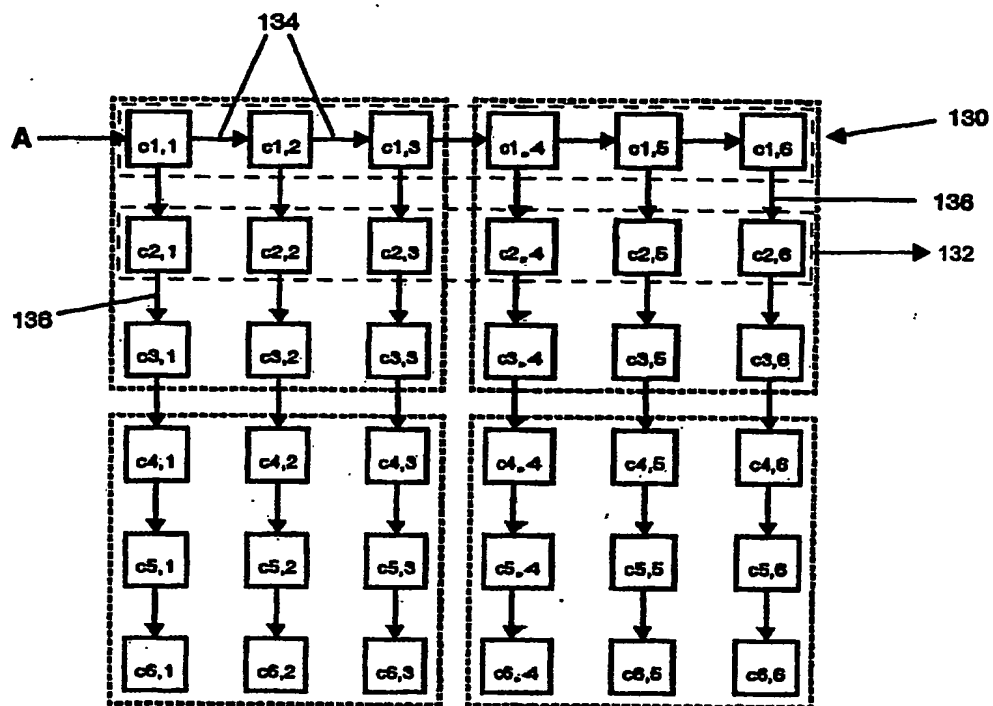


Figure 24

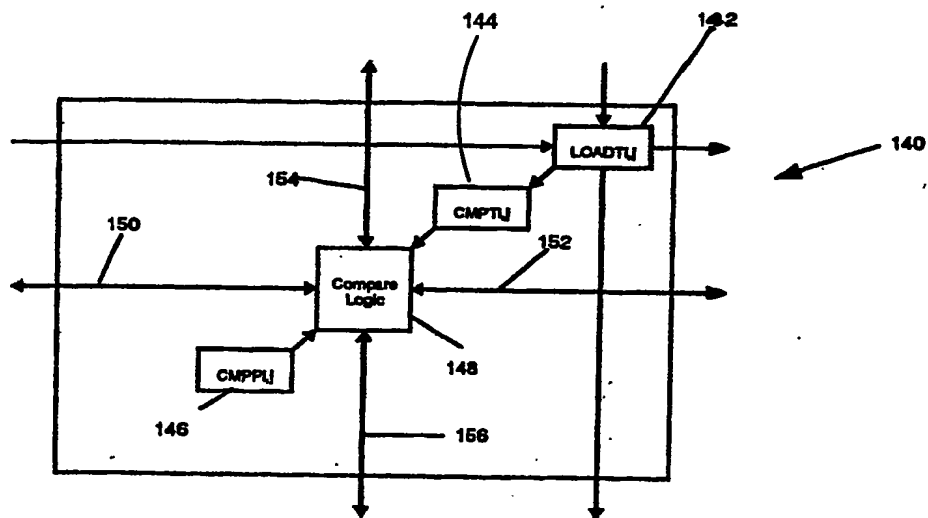


Figure 25

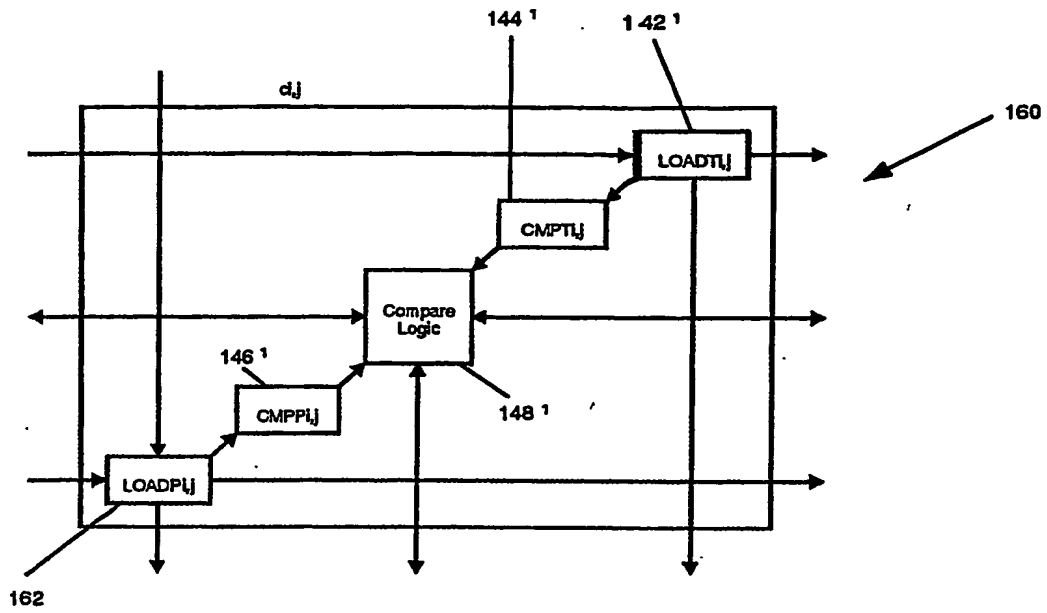


Figure 26

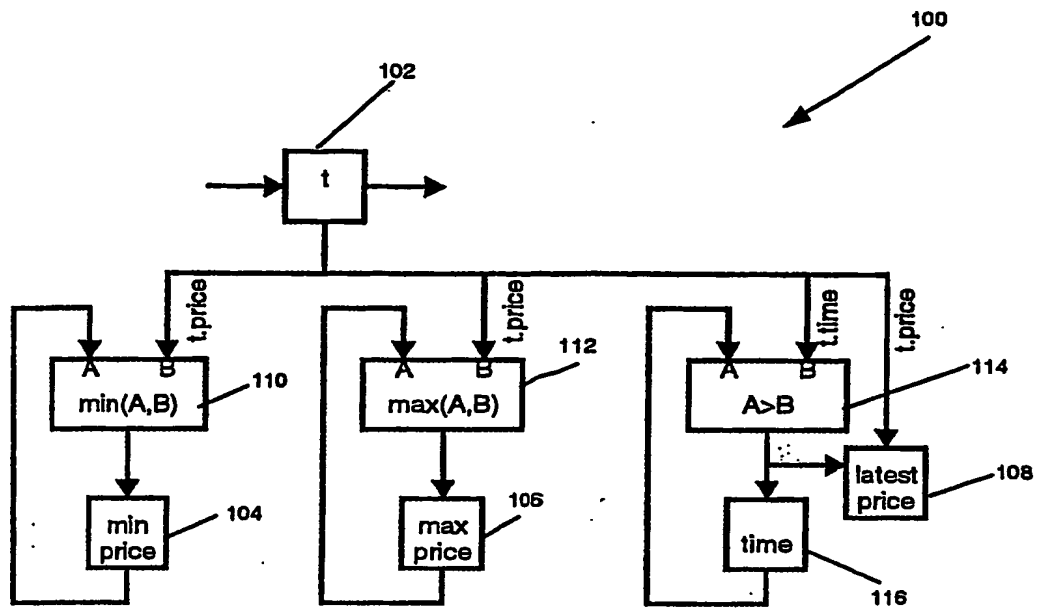


Figure 27

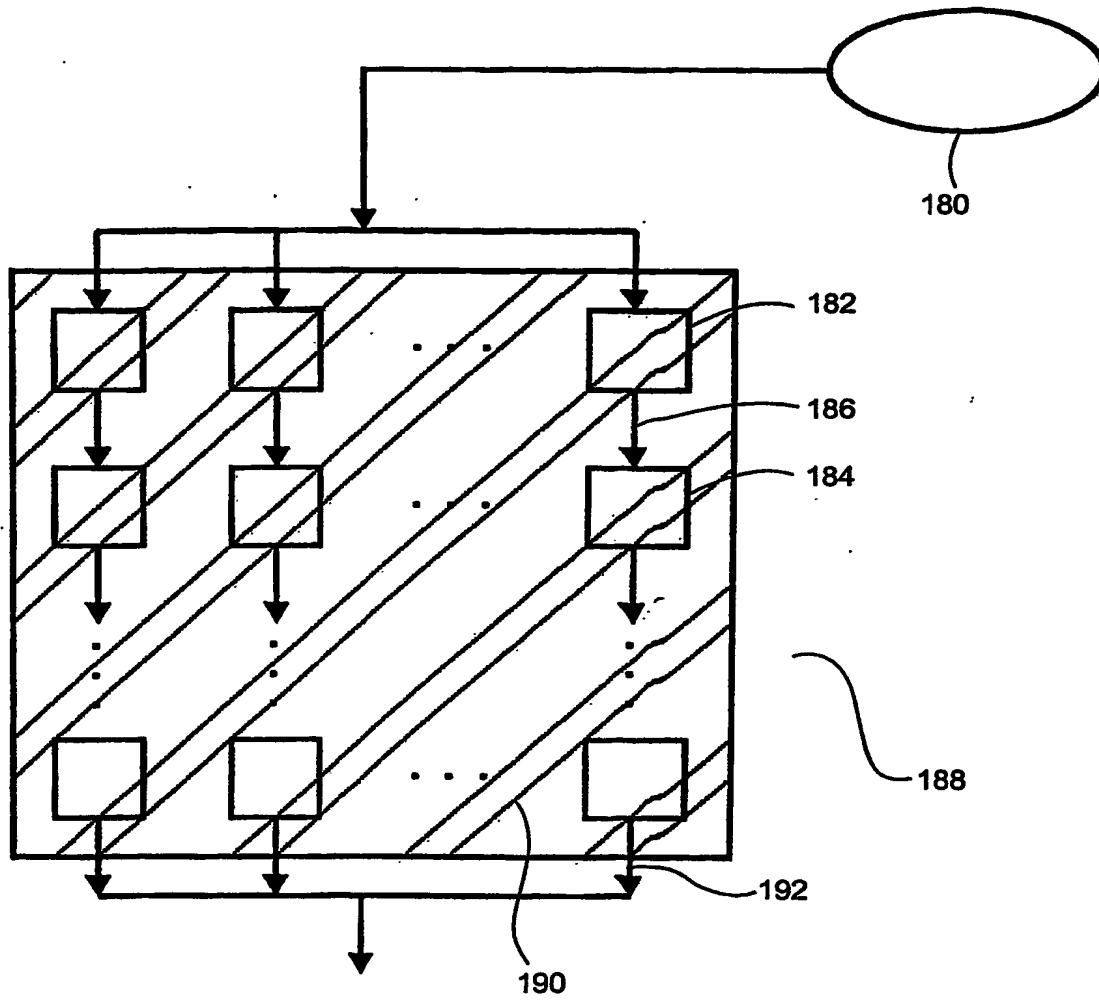


Fig. 28

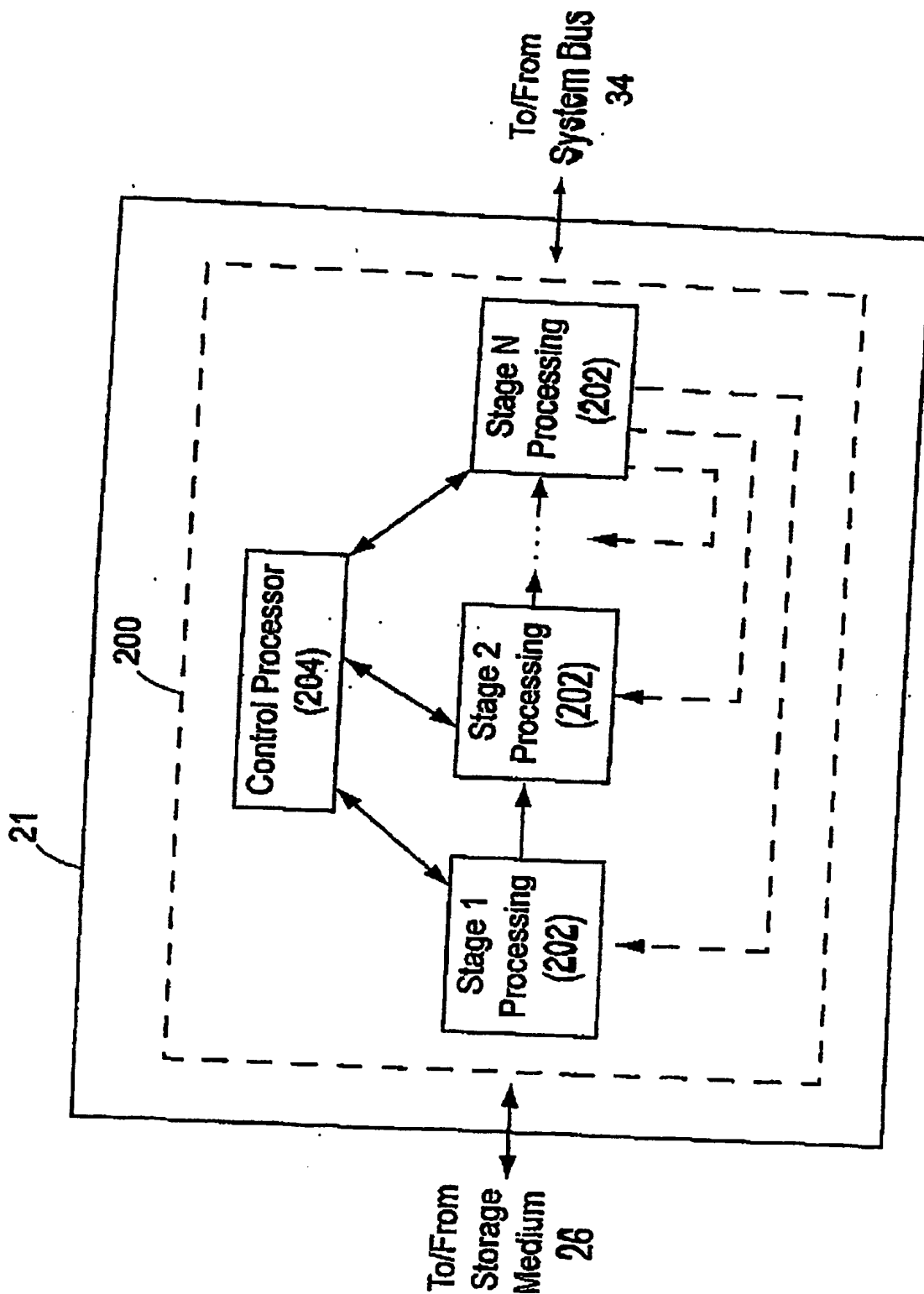


Figure 29

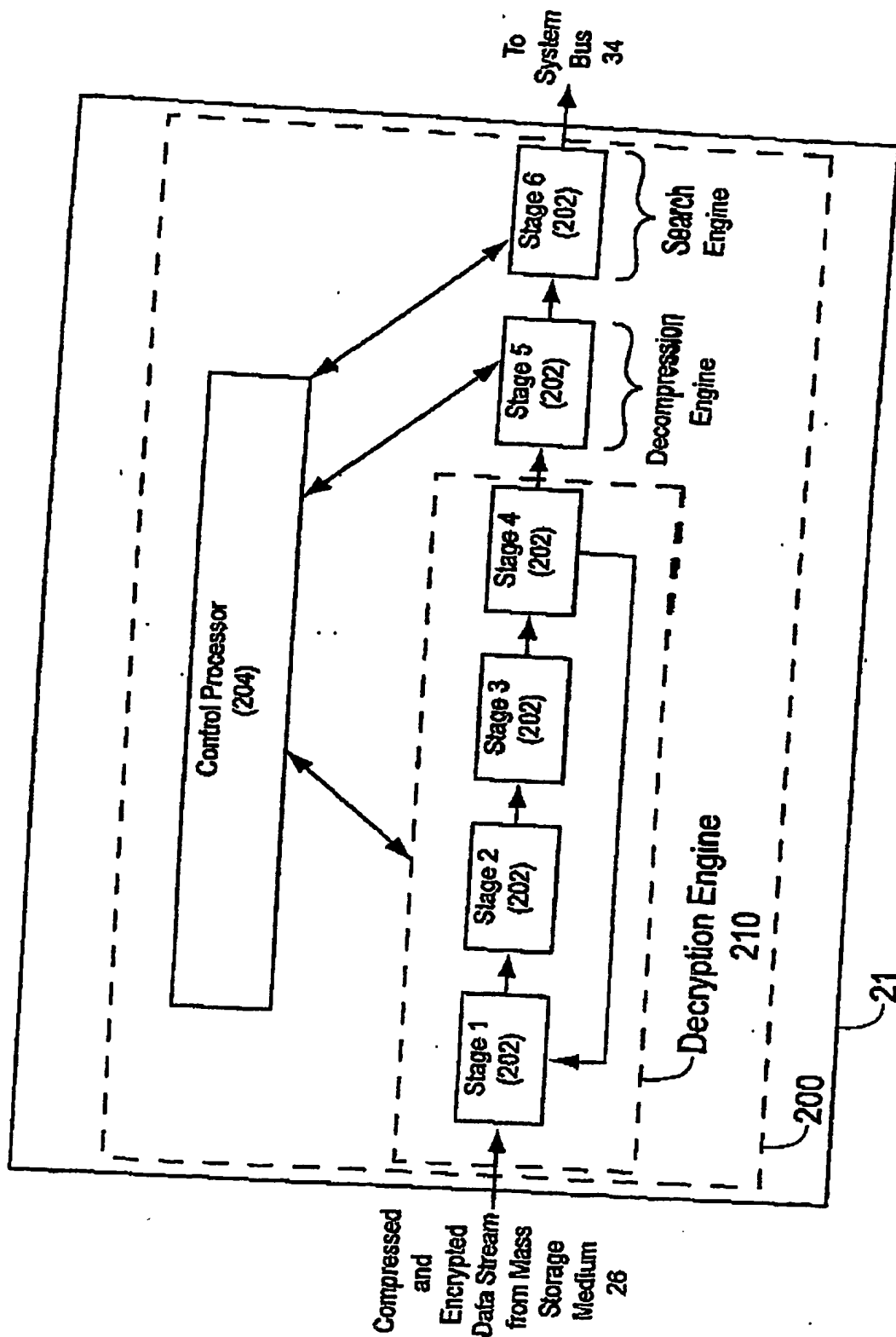


Figure 30

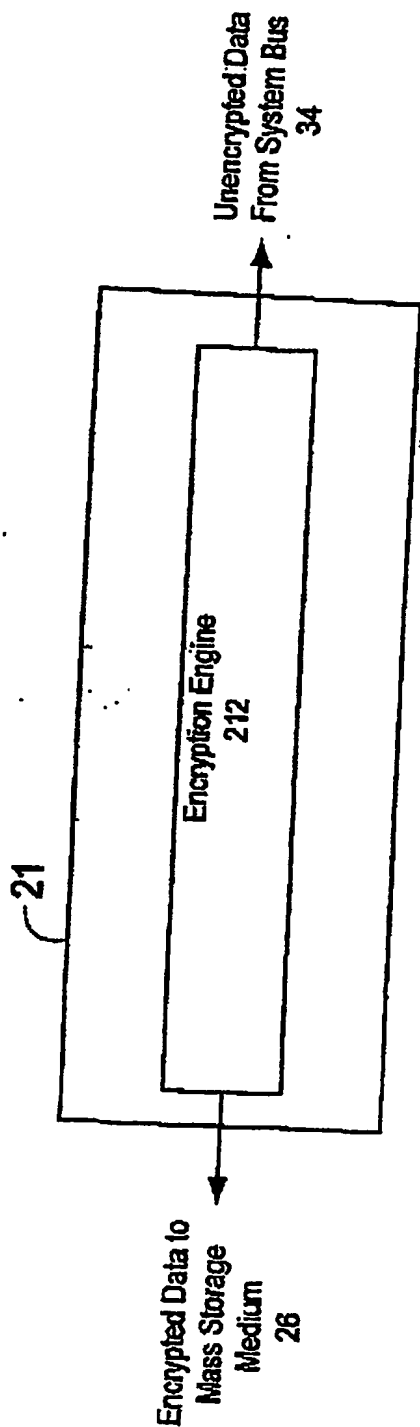


Figure 31

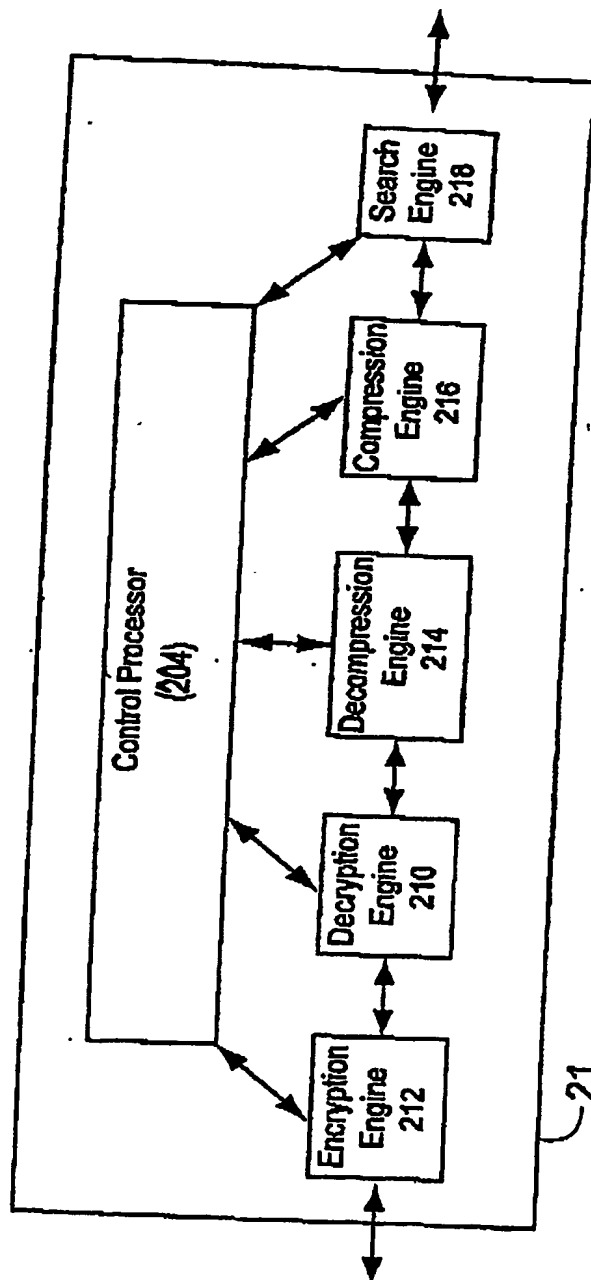


Figure 32

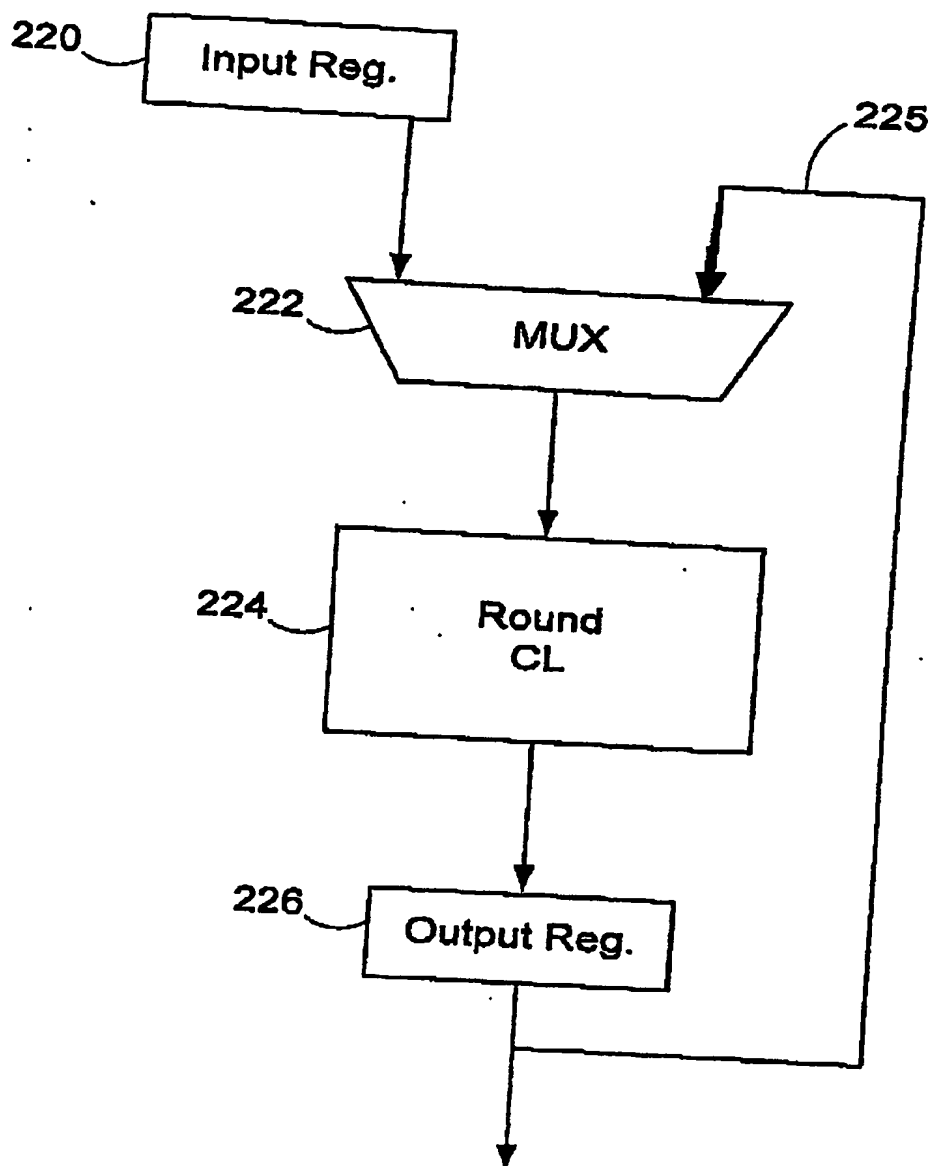


Figure 33

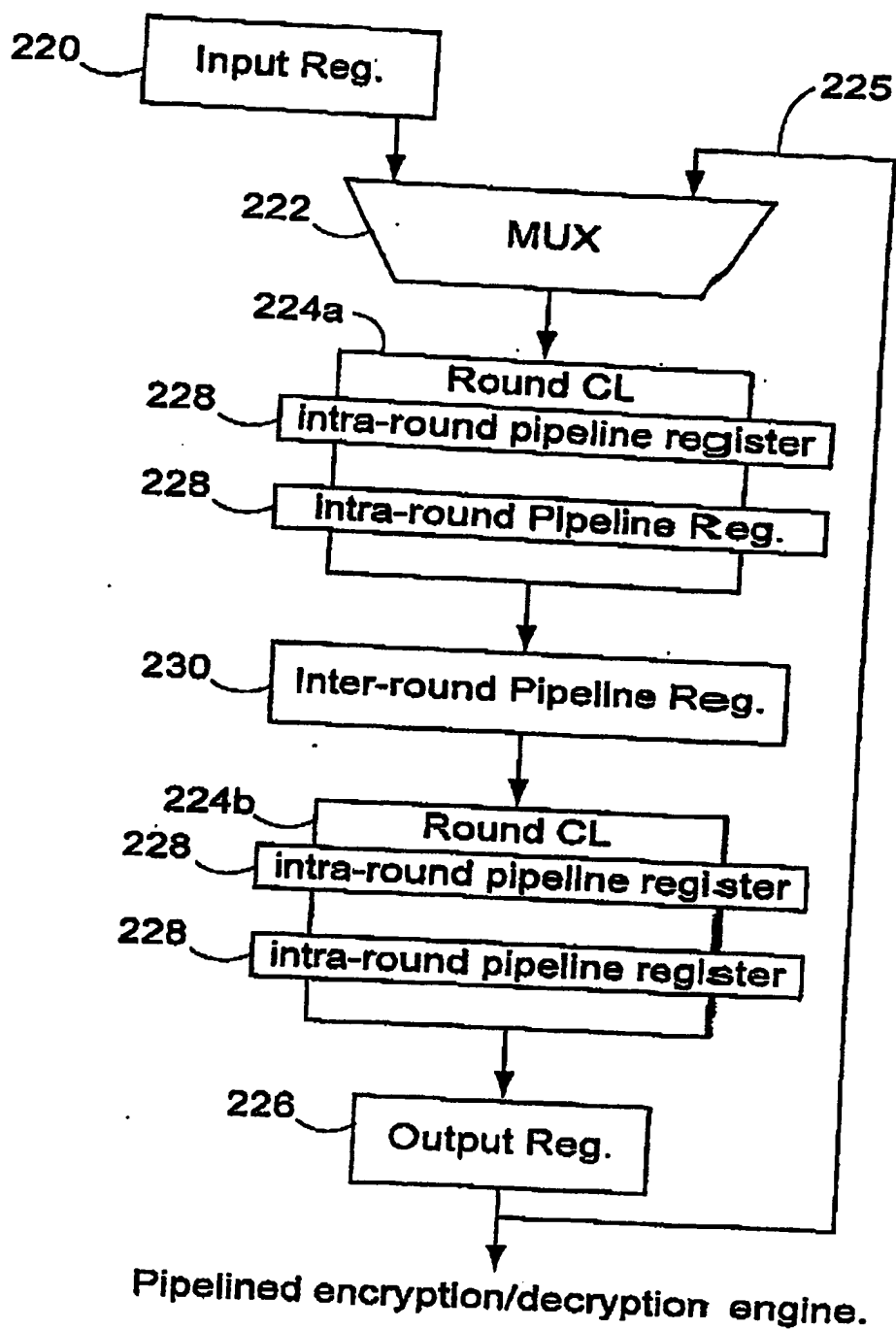


Figure 34

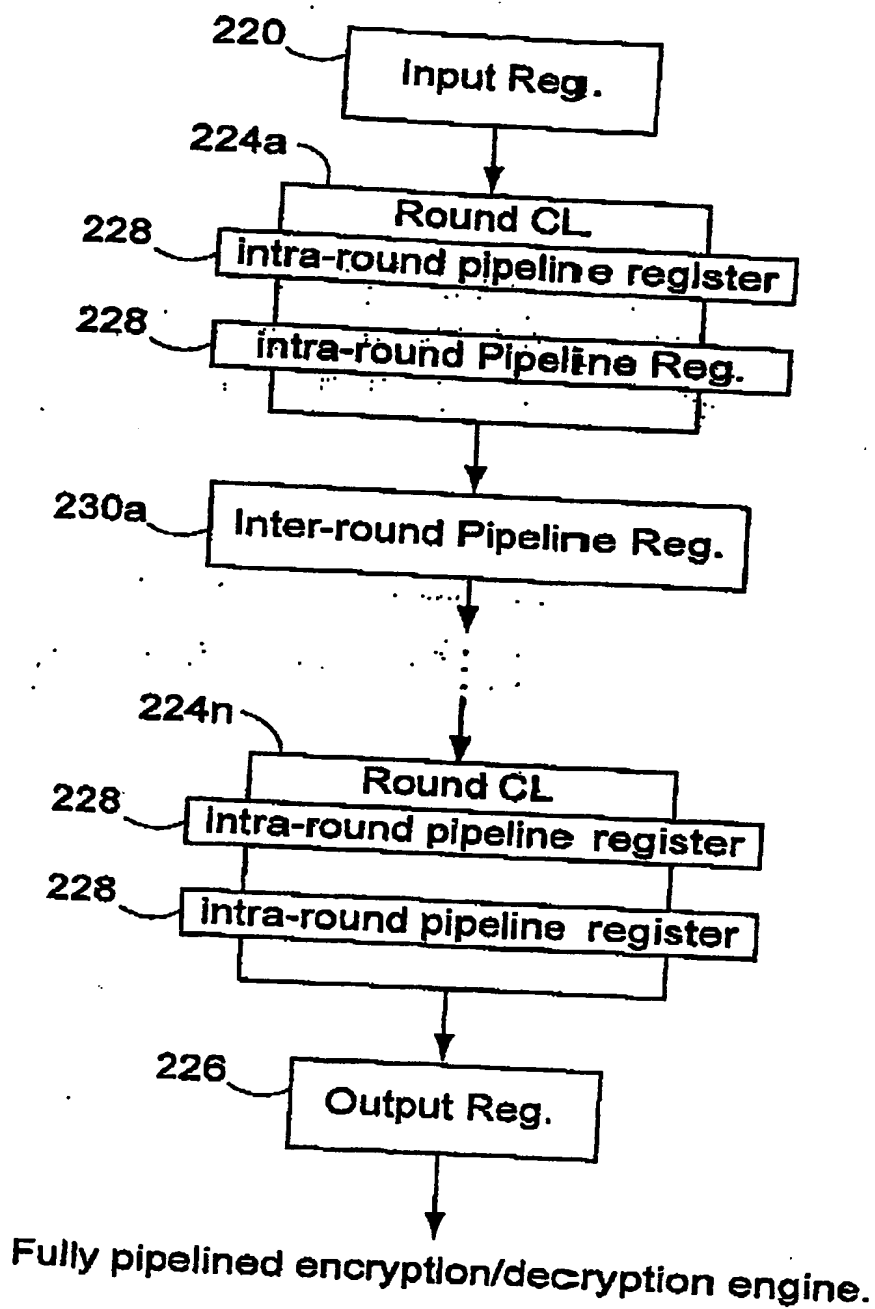


Figure 35

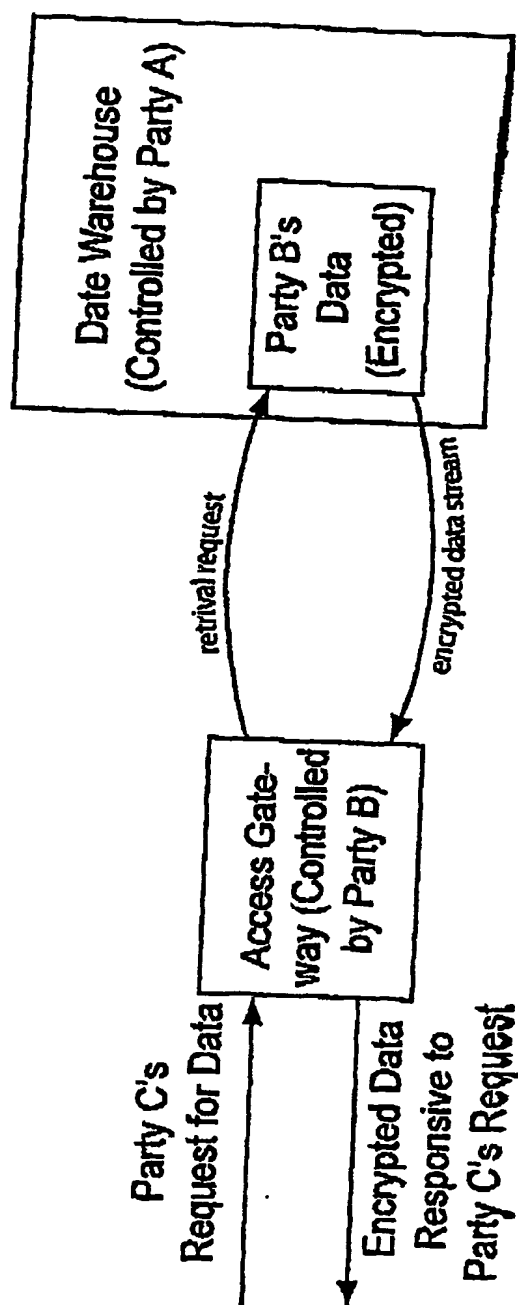


Figure 36

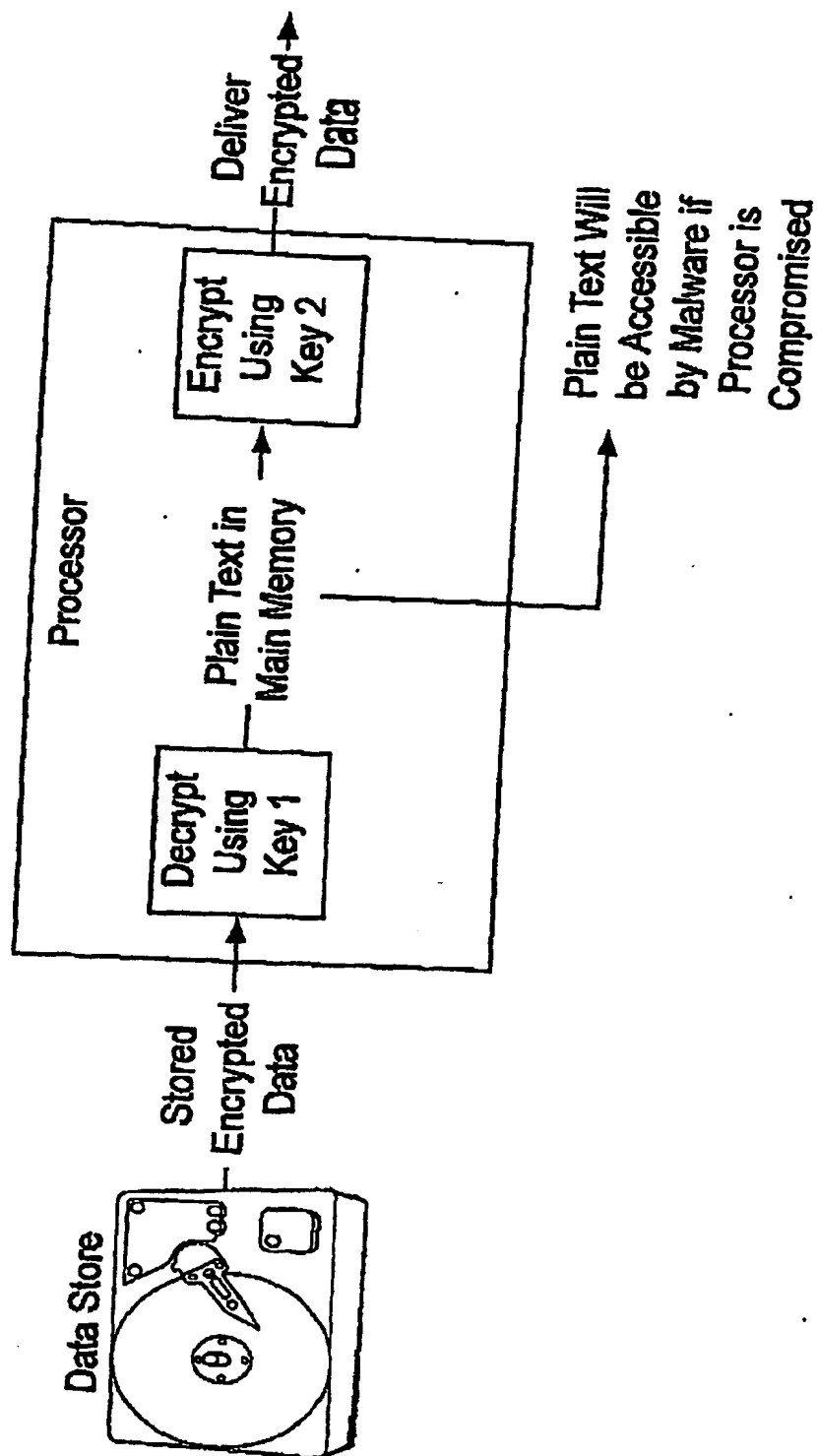


Figure 37

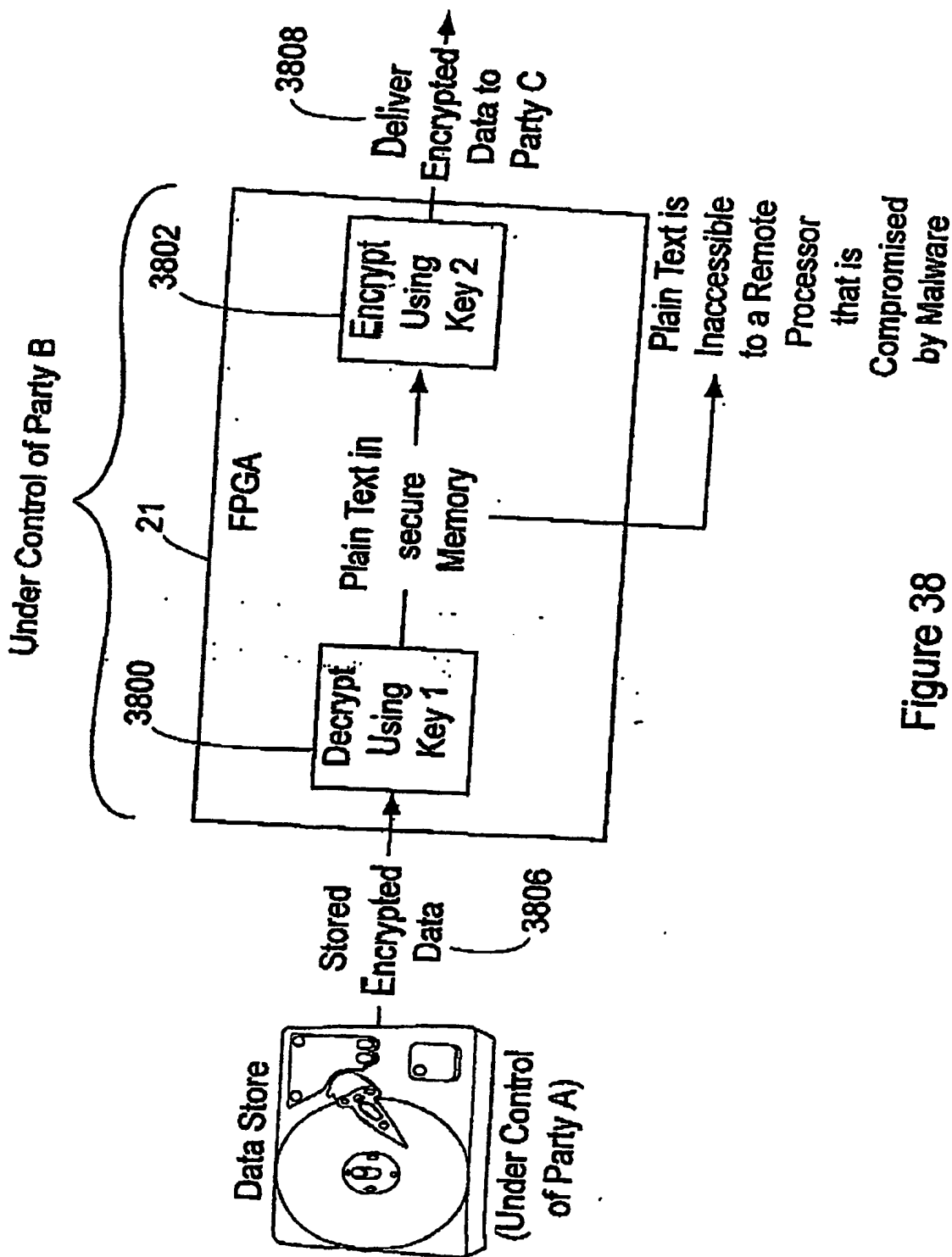


Figure 38

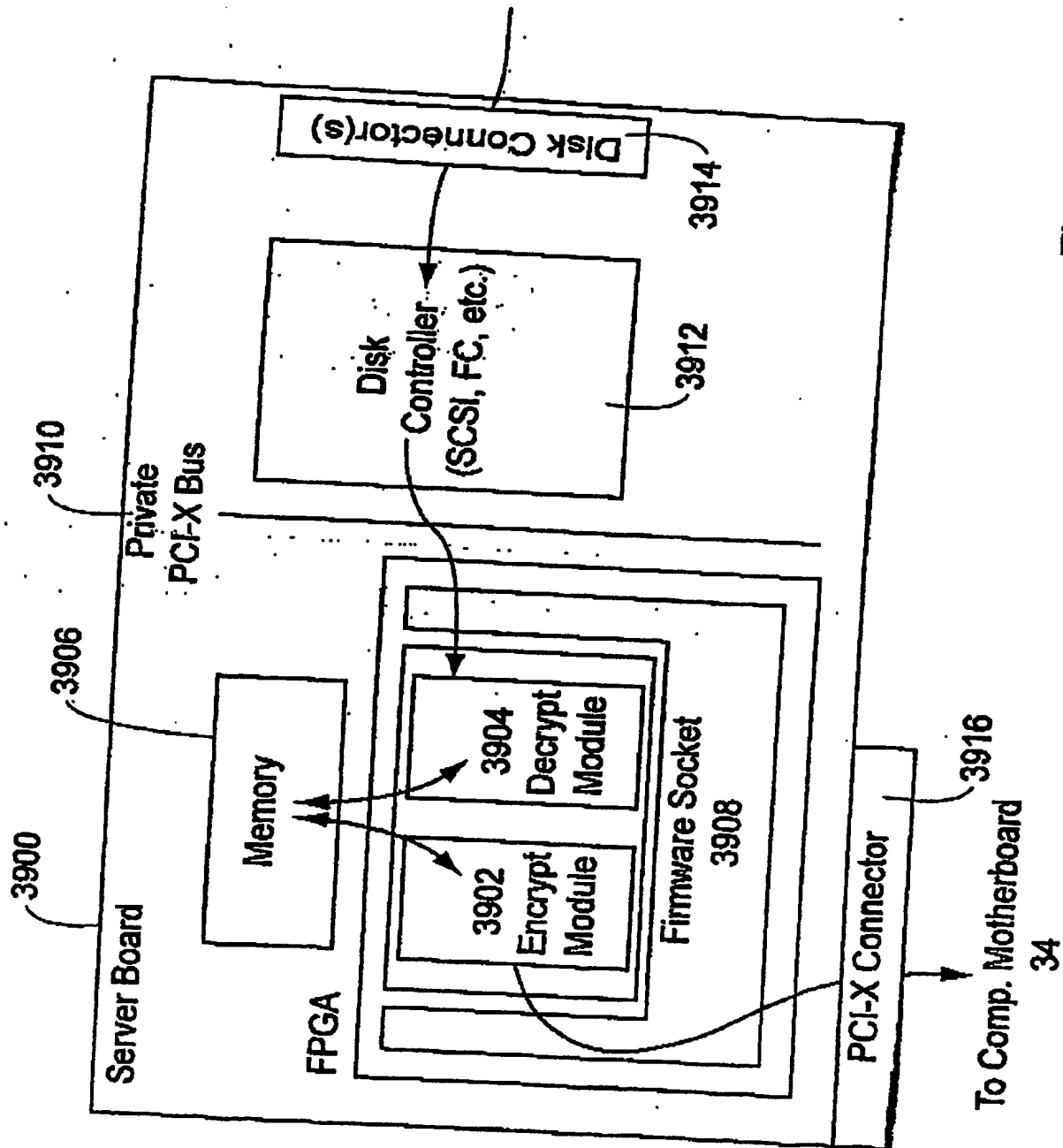


Figure 39(a)

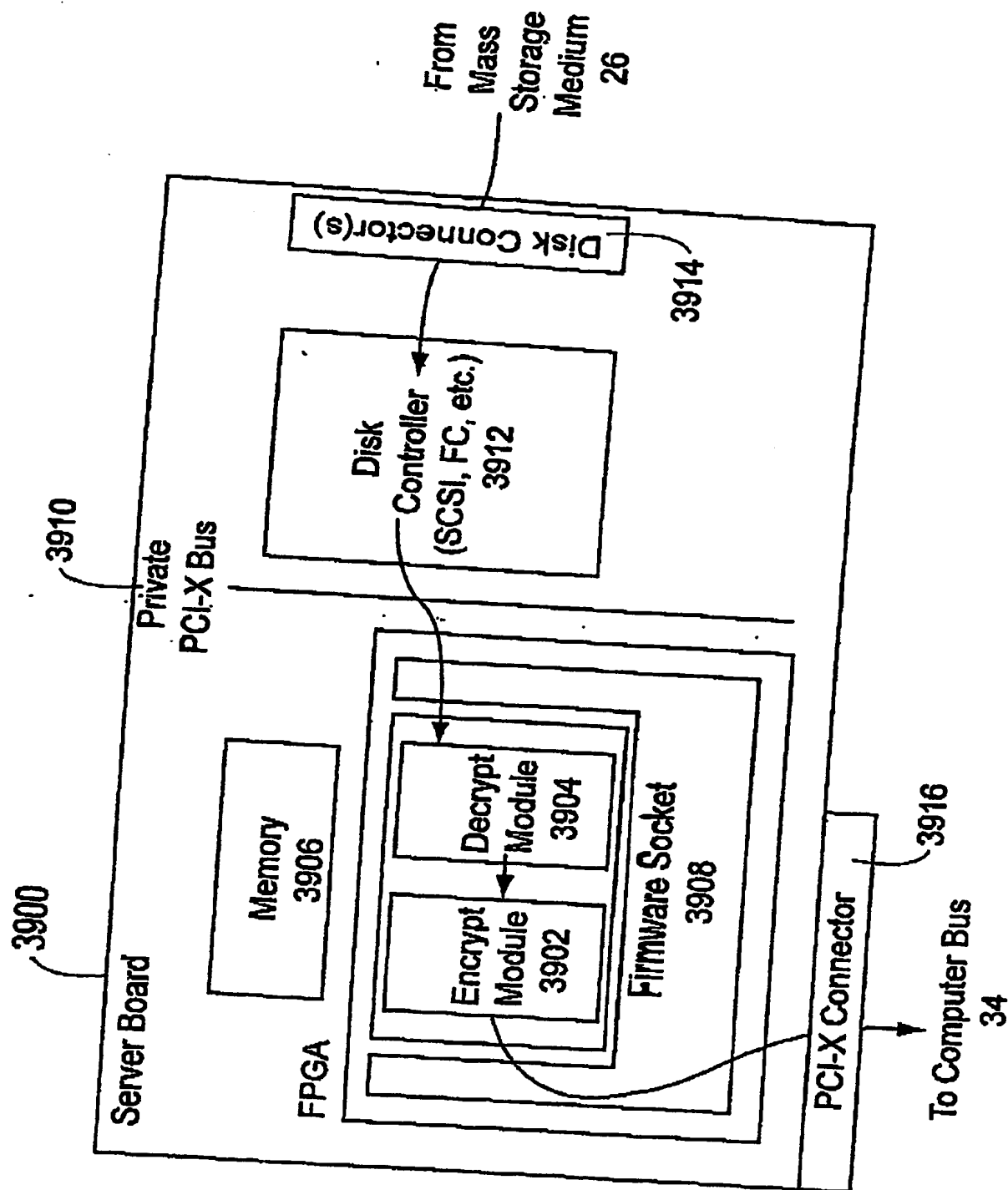


Figure 39(b)

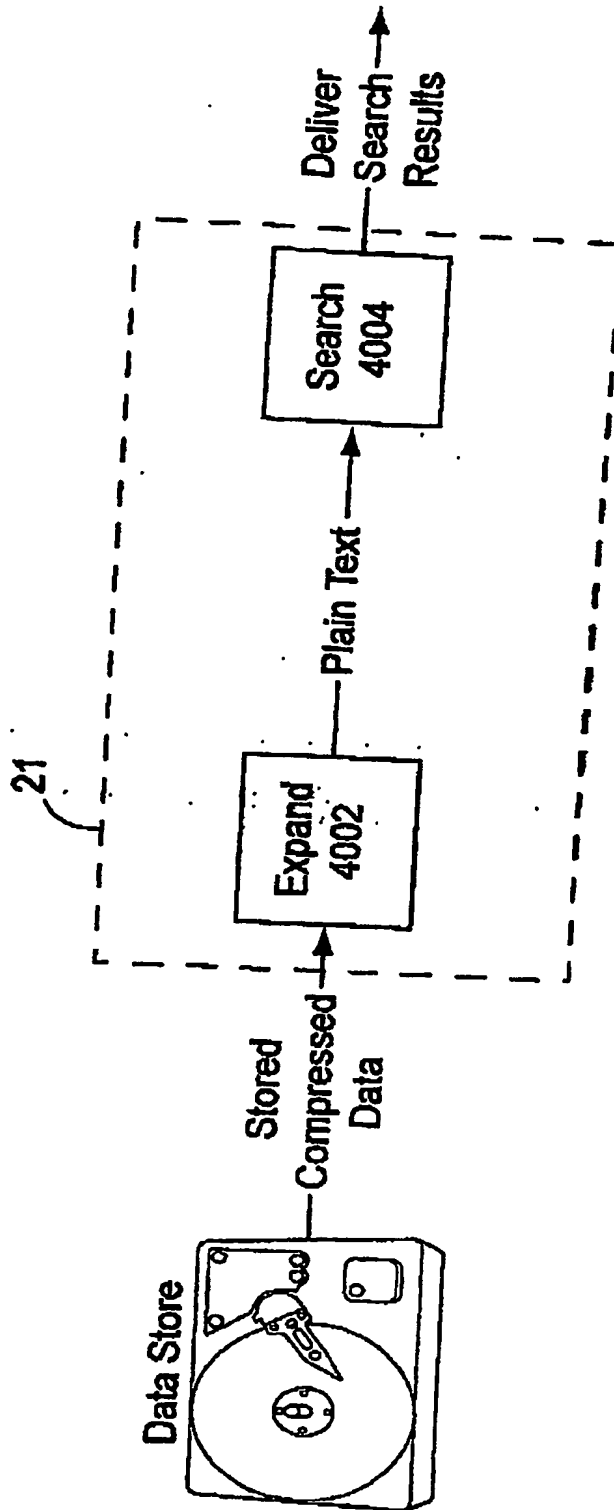


Figure 40

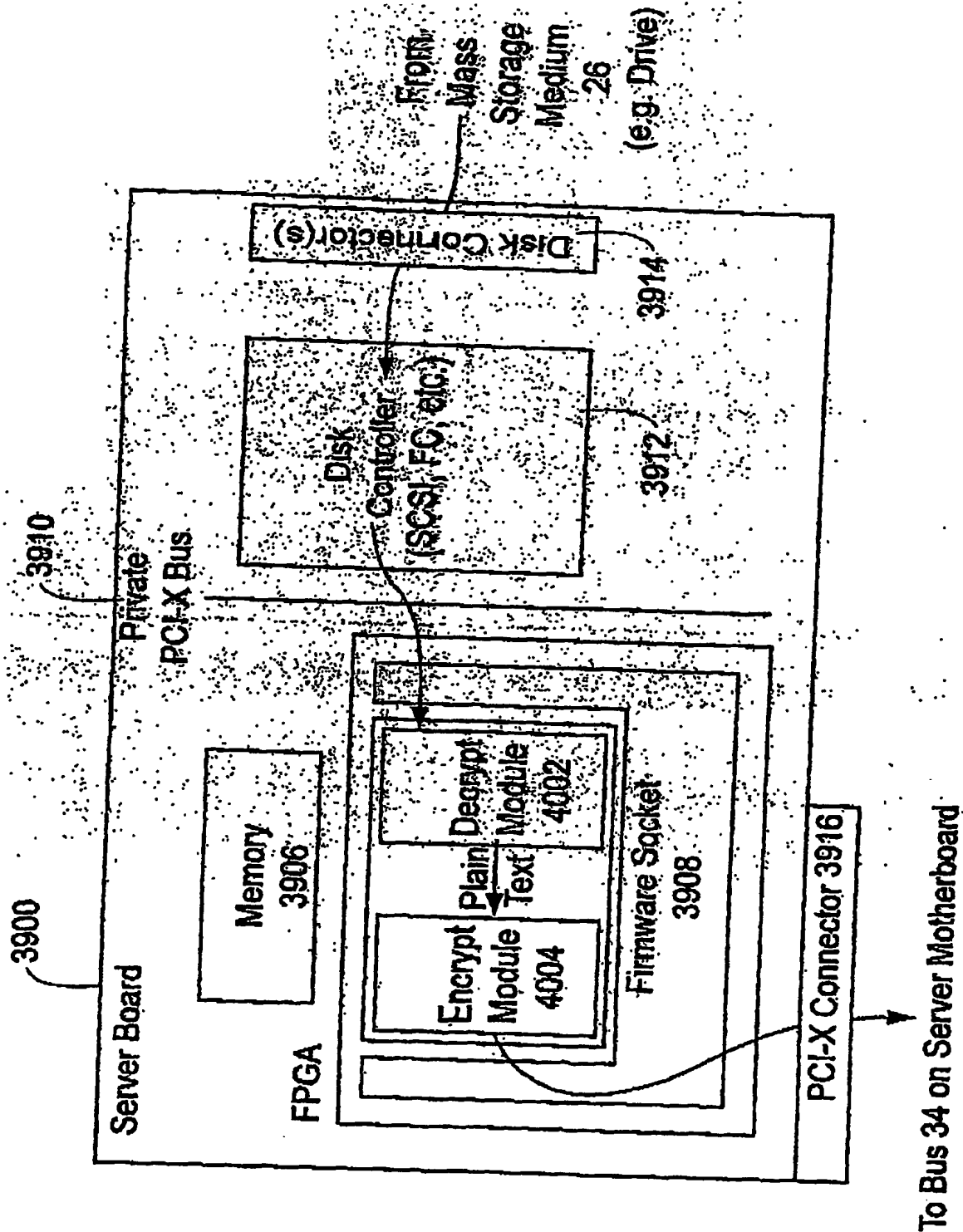


Figure 41

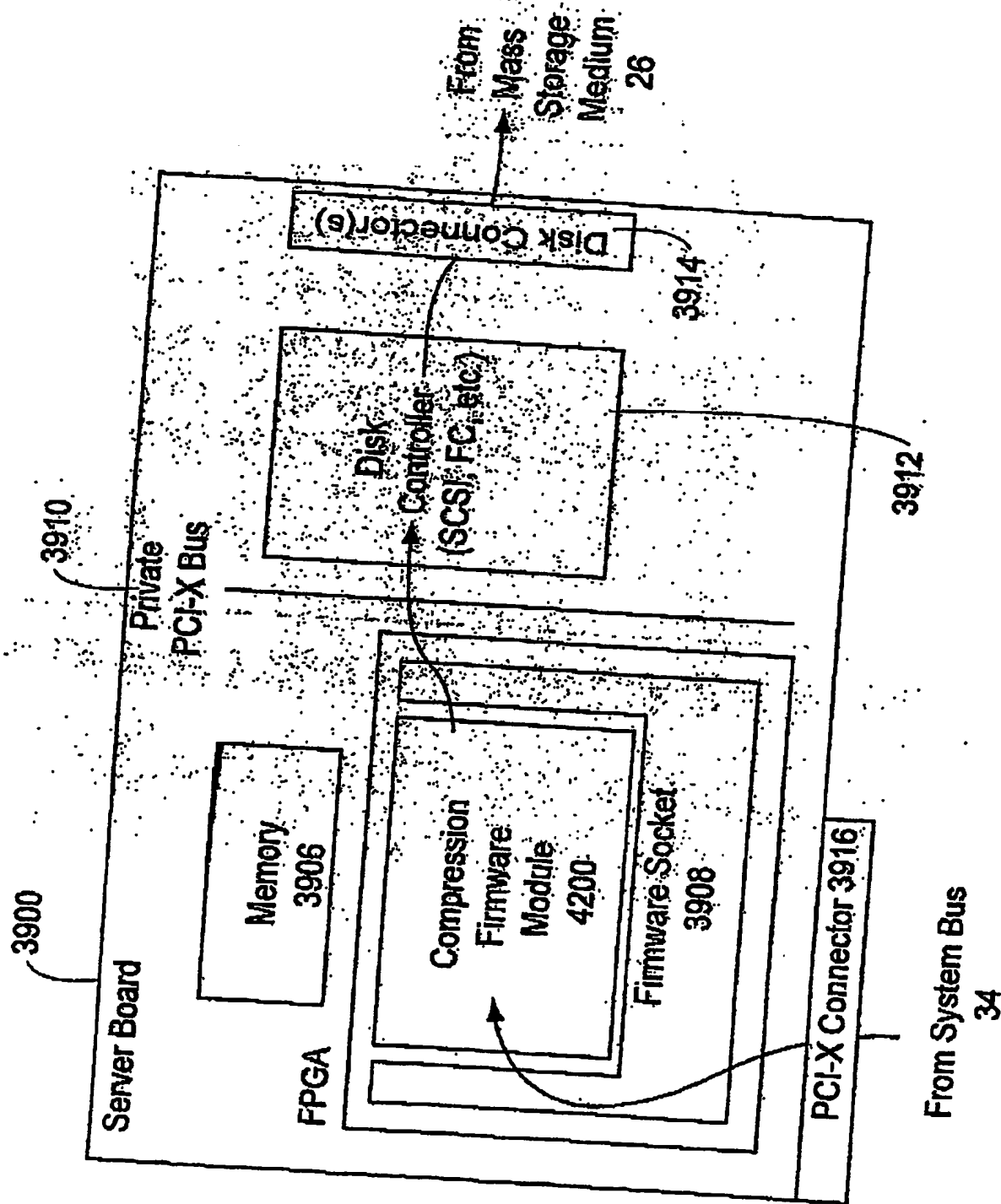


Figure 42

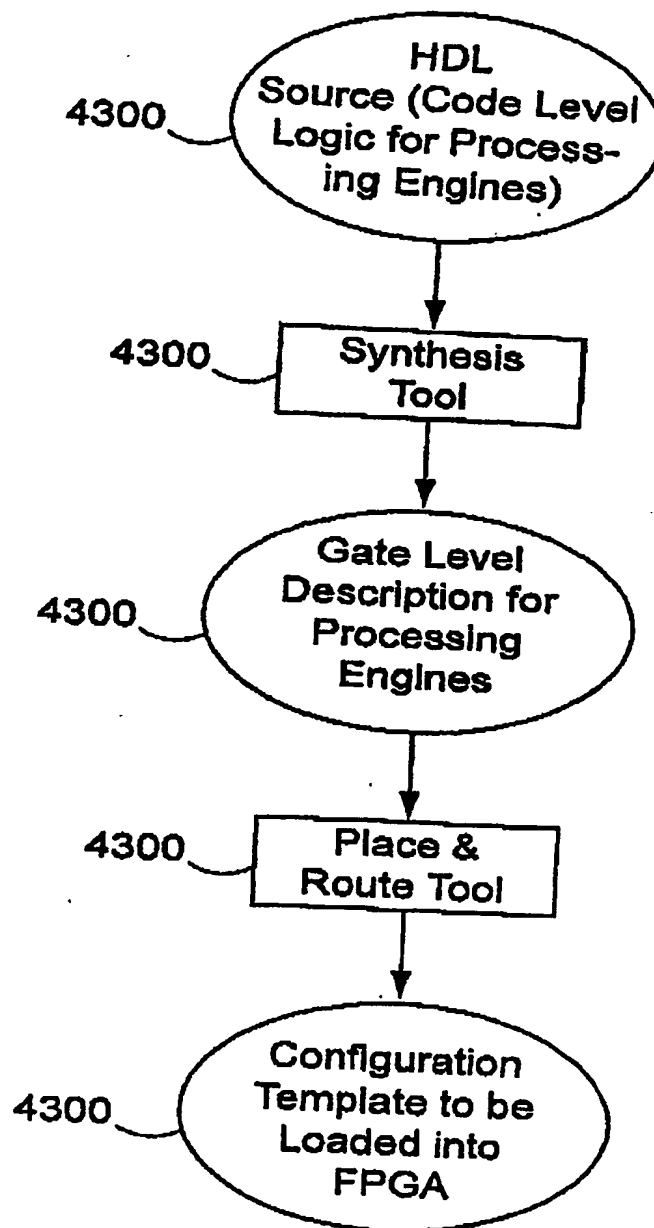
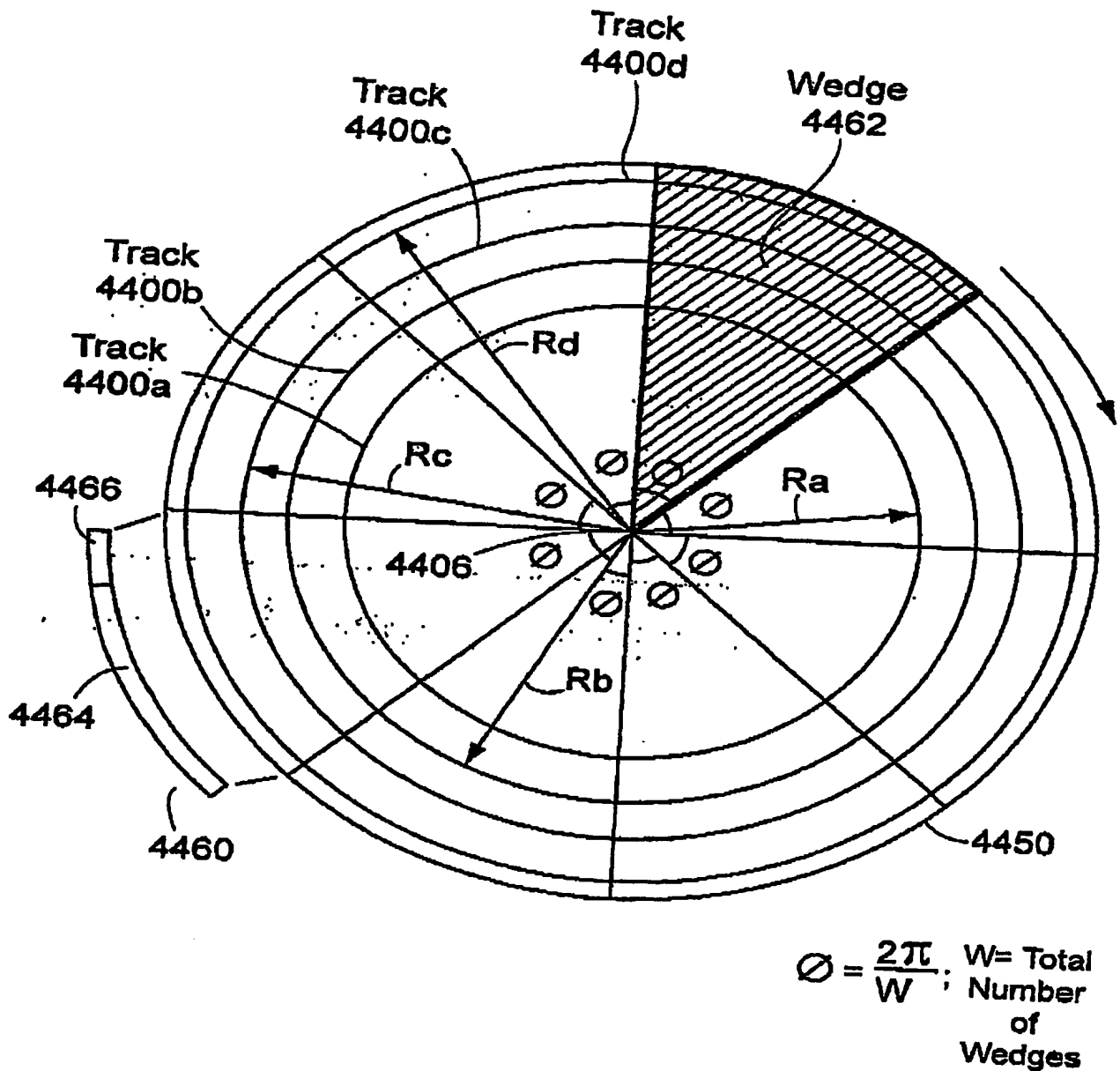


Figure 43



PRIOR ART

Figure 44(a)

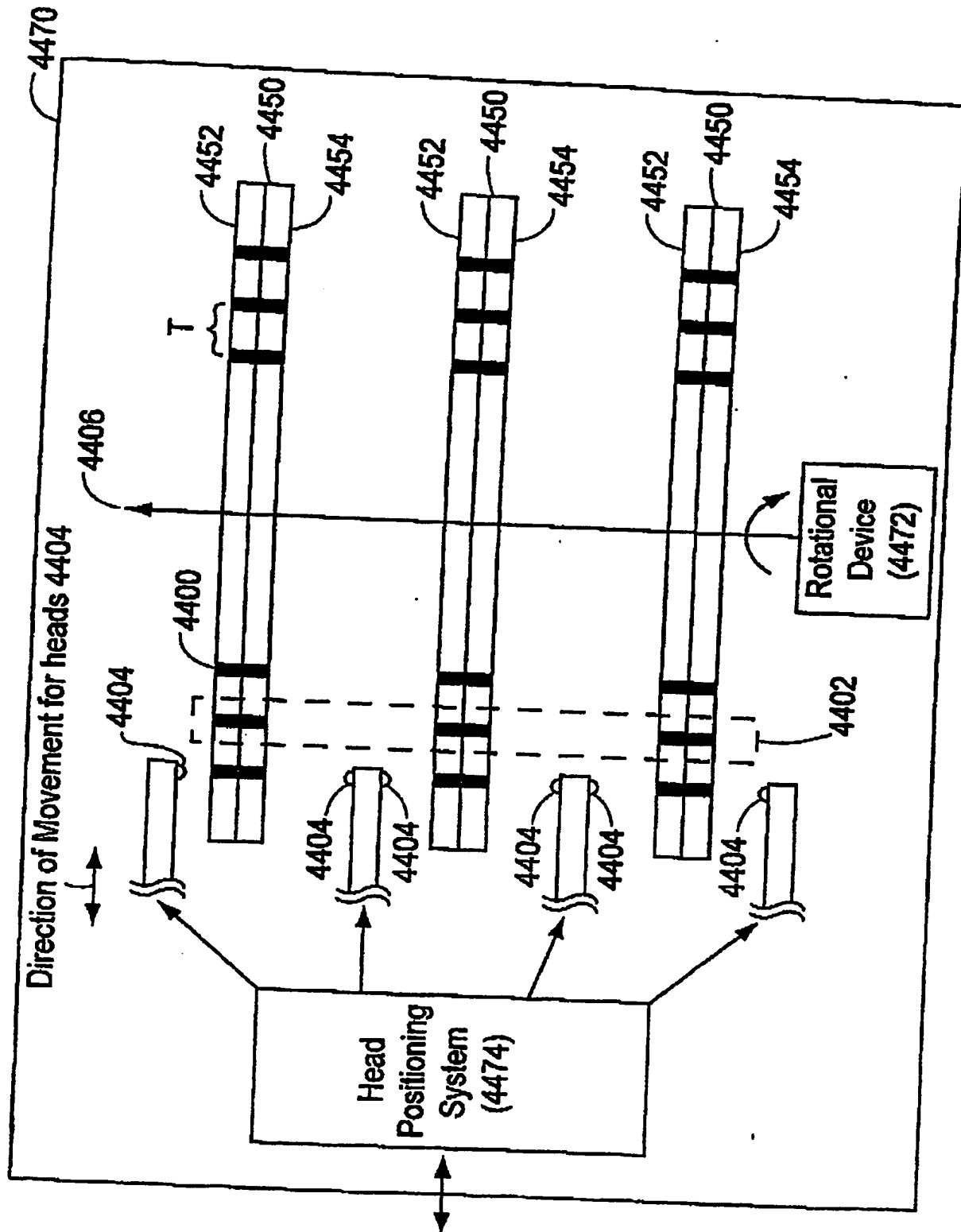


Figure 44(b)

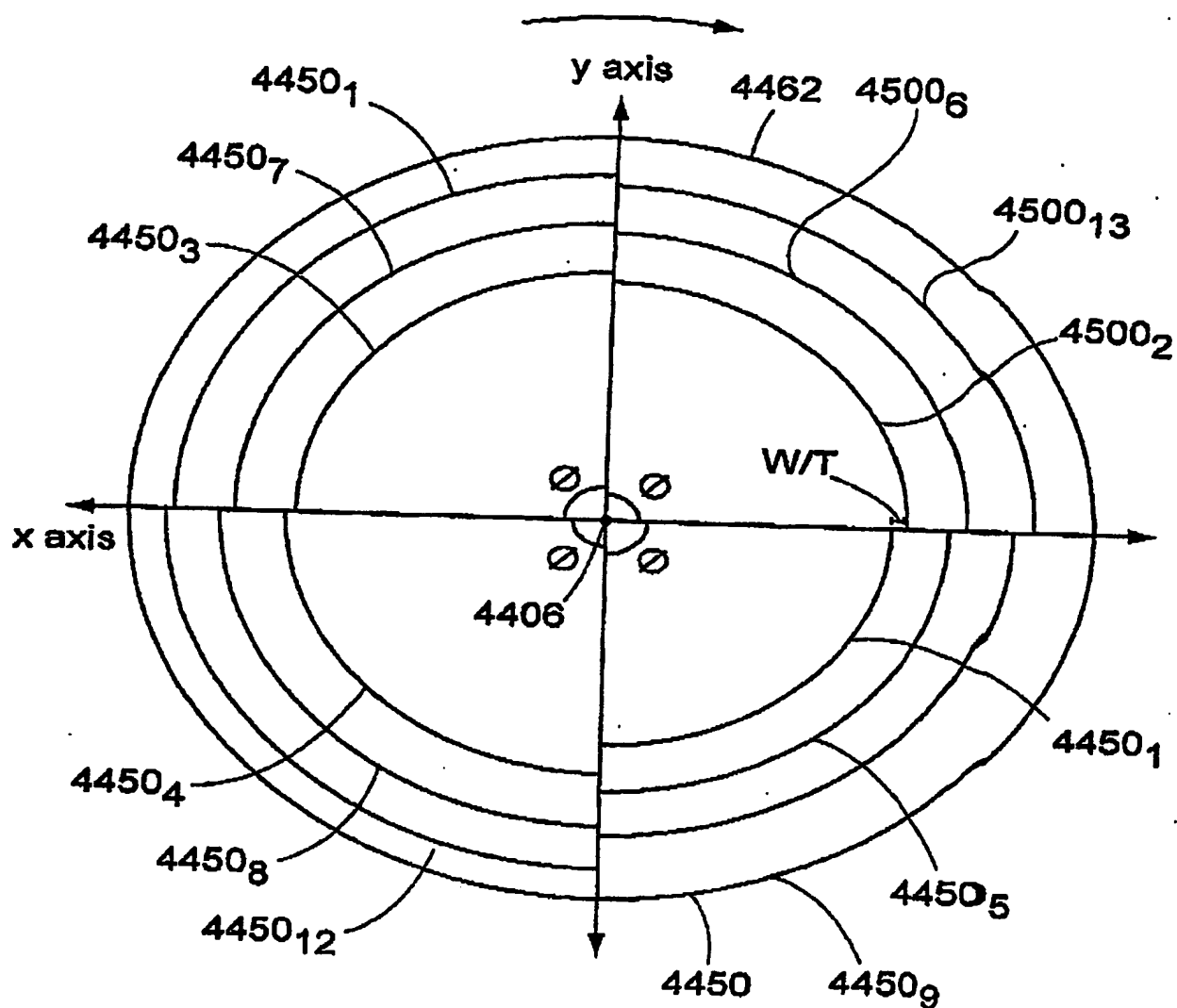


Figure 45

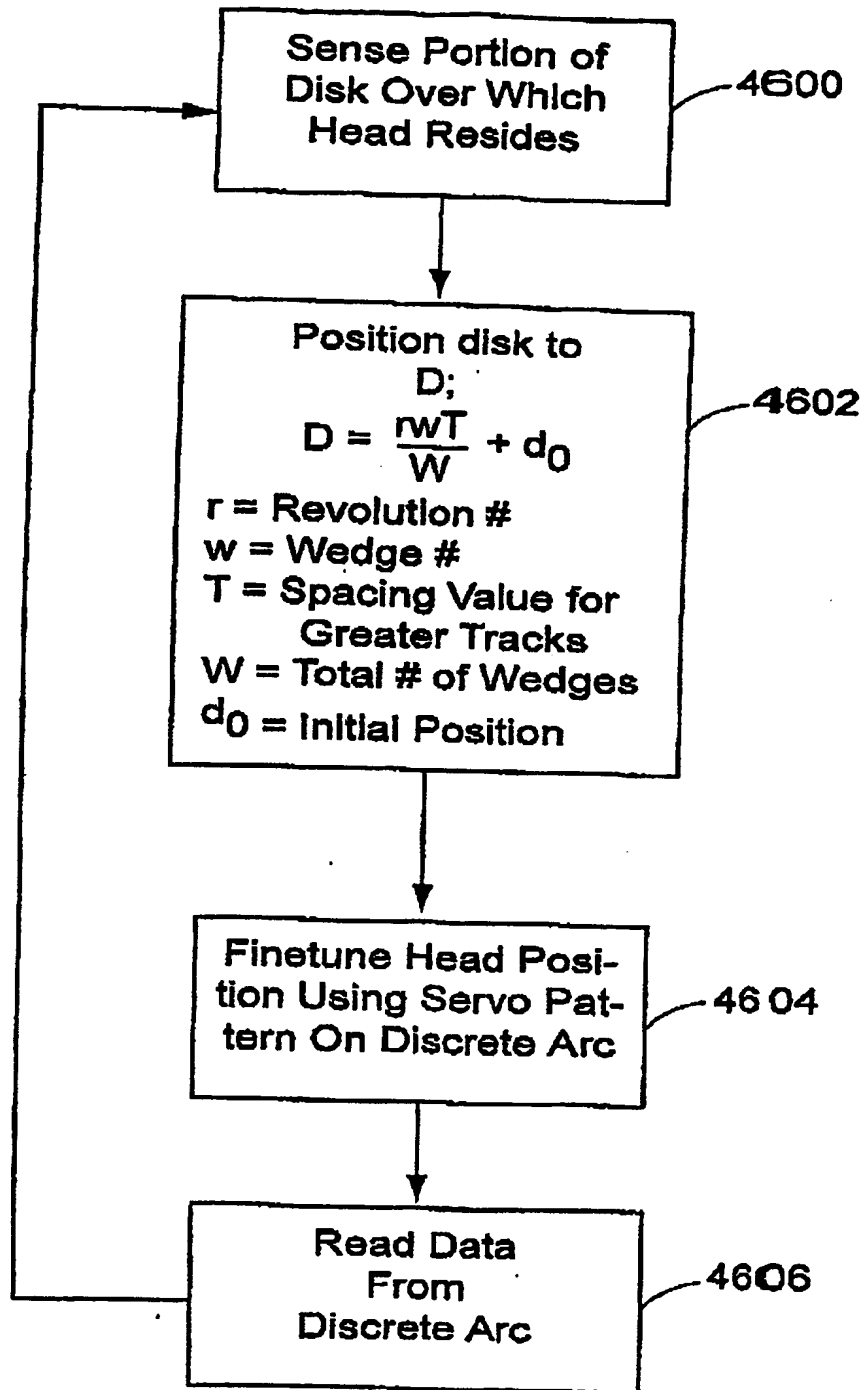


Figure 46

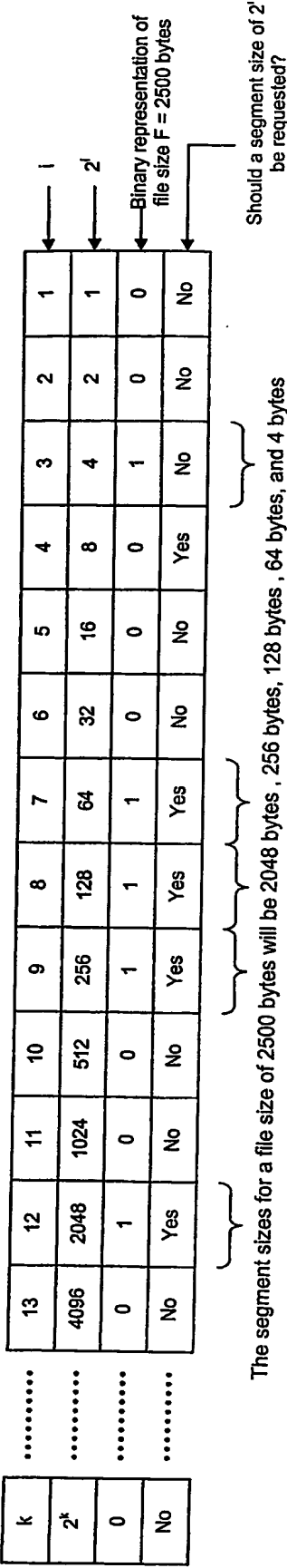


Figure 47(a)

Minimum Segment Size is 2^m, wherein m is 10

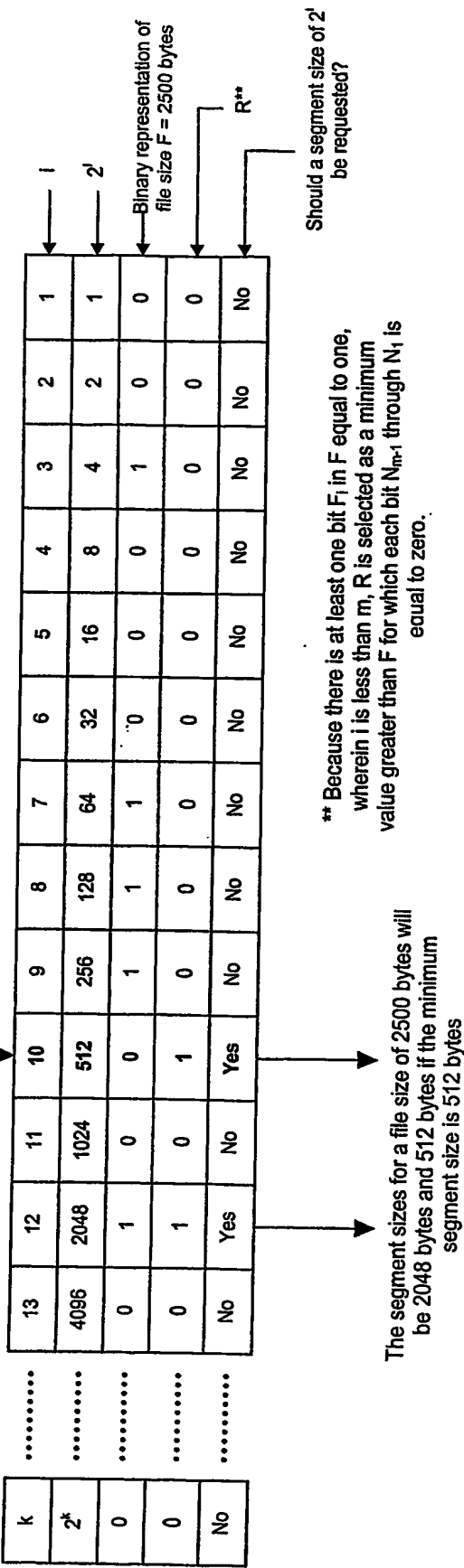
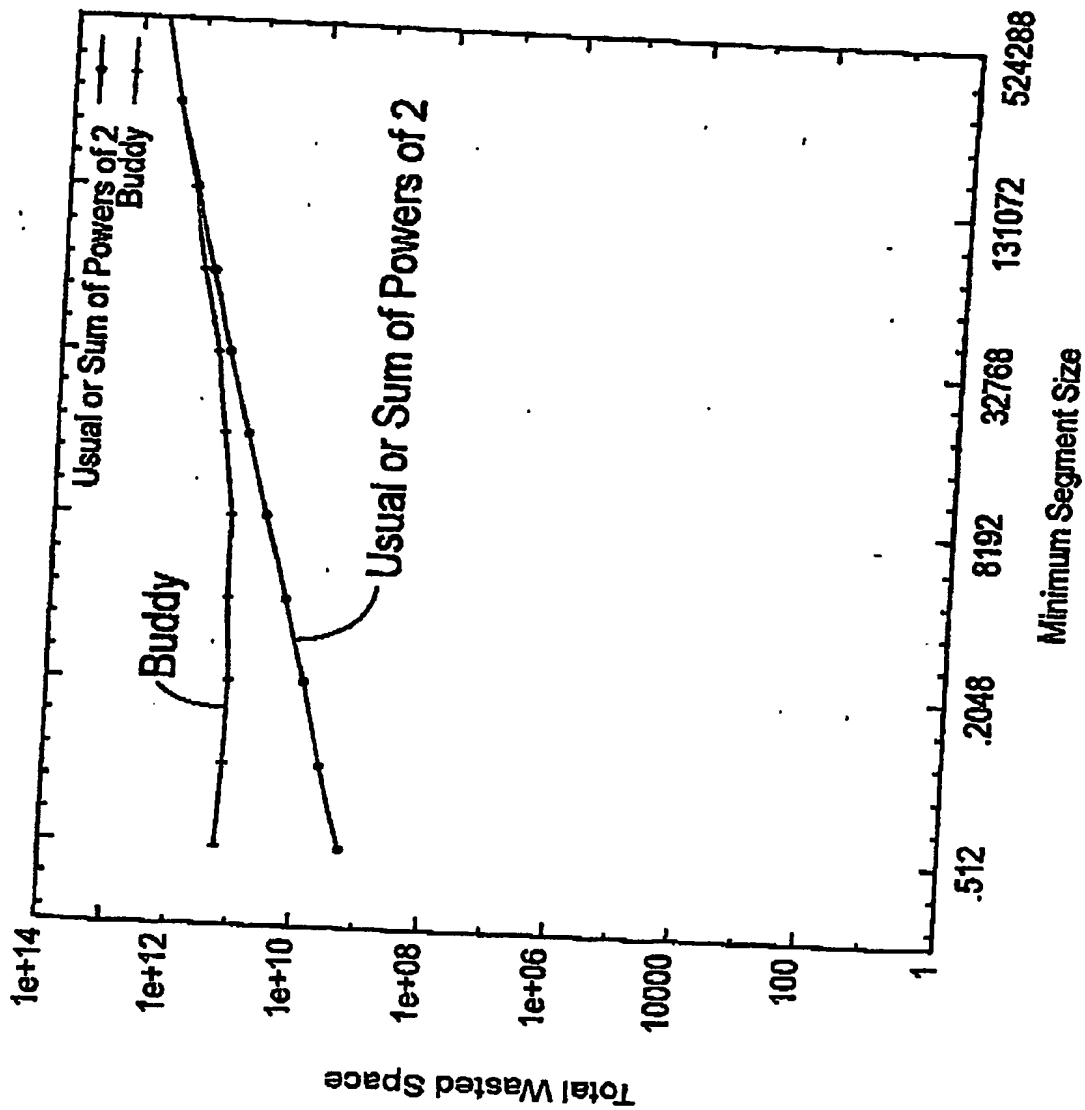
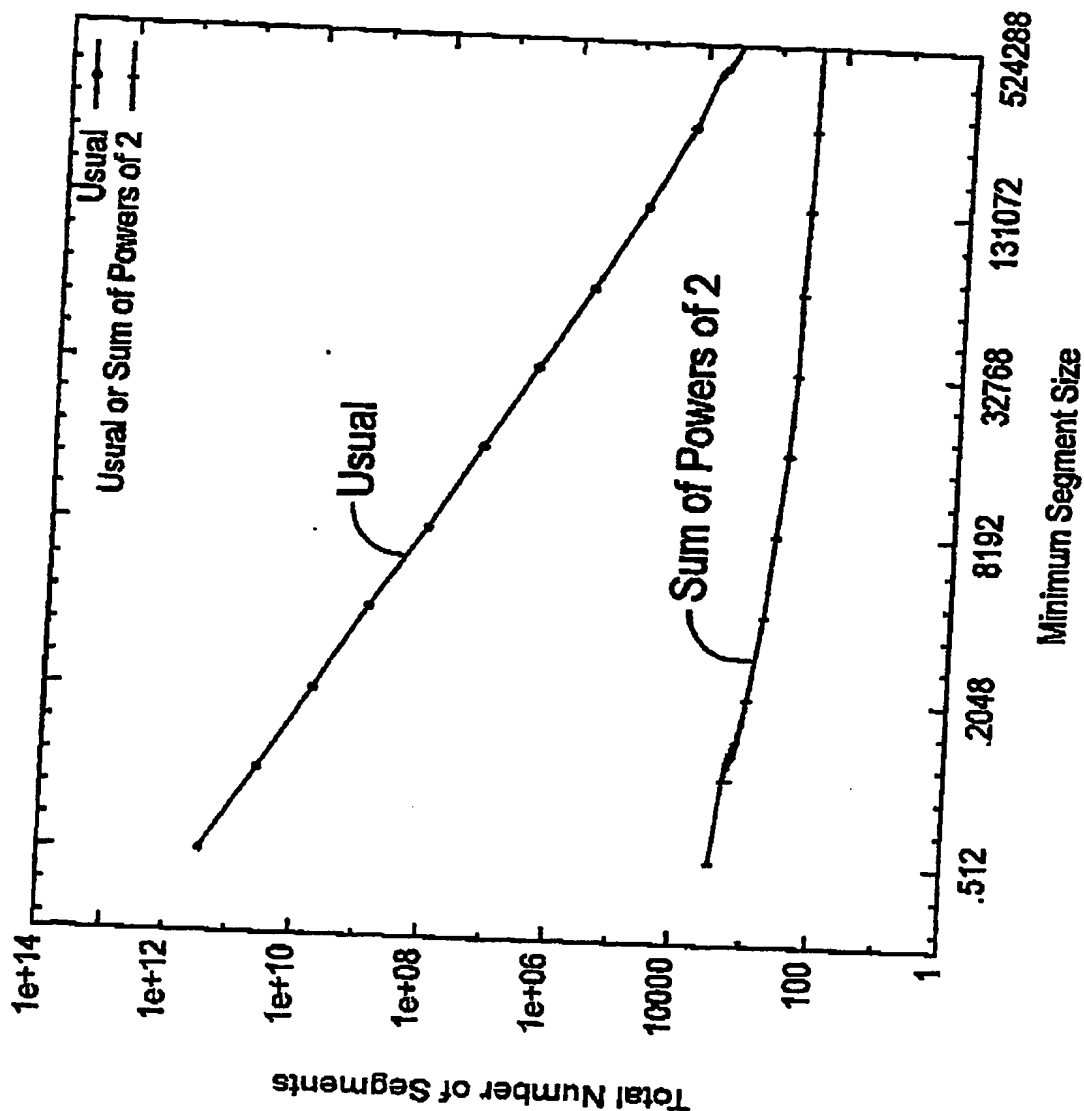


Figure 47(b)



Wasted storage due to internal fragmentation.

Figure 48



Total number of segments in the file system.

Figure 49

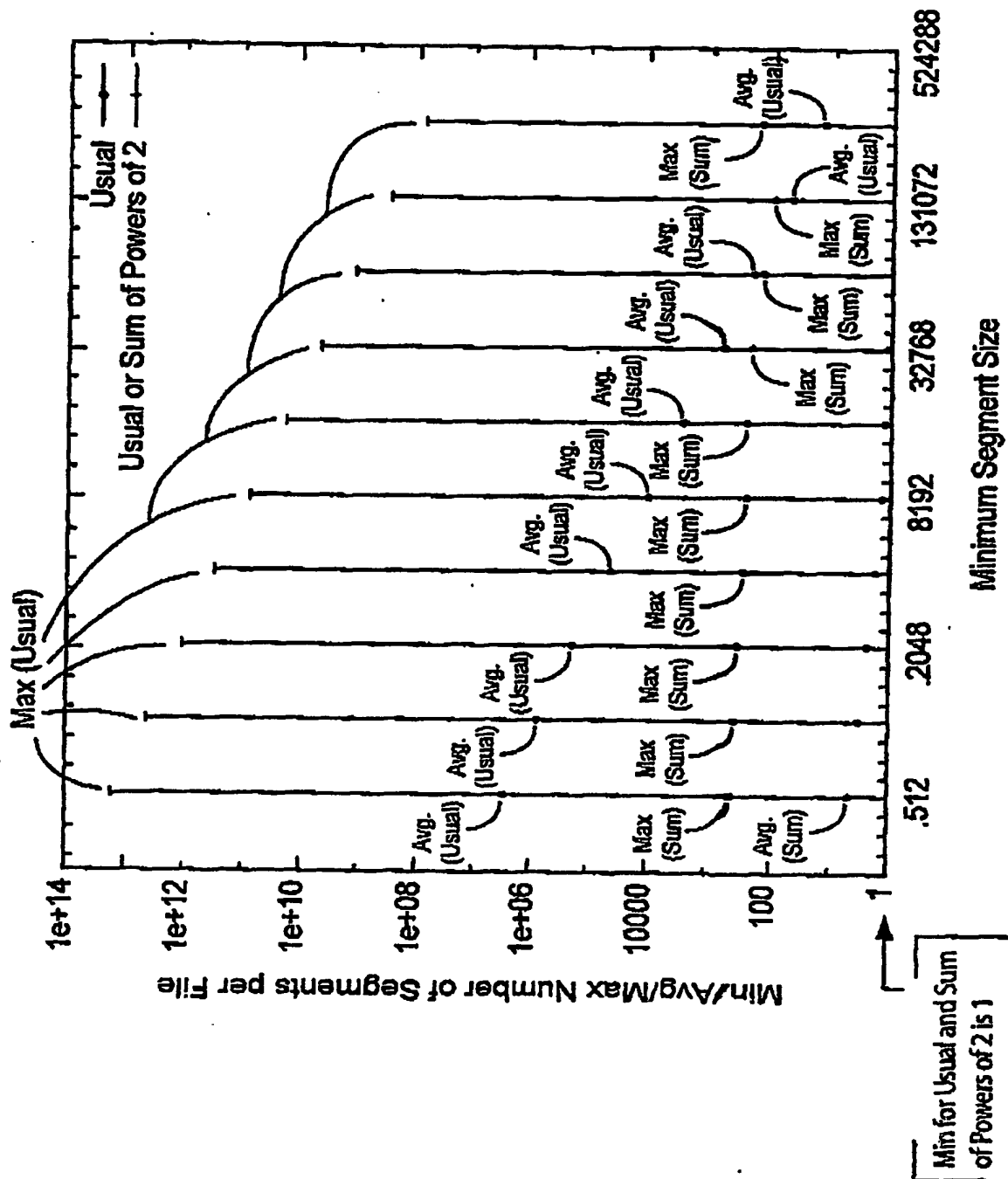


Figure 50
Number of segments per file.

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